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<210> 6528

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6528

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aatatgataa ccaatatatt ttanggtaaa atattttatt cttttanggn ctgctatctg 480  
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<210> 6529

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6529

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tataggcatg caccaccag cctggctaata tttgtatgt ttagtagaga tggggttcta 180

ccatgttggc caggctggc tcaaactcct gacctcaggt gatccacctg ccttggcgtc 240  
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 aaaattcact gtttaaaaaa ttatgaaagt aacaagatga gctctattaa ttttcaggtc 360  
 catccattct ttttctattc aaccaatccc tccactccac tactctctga ttcactgctg 420  
 ntcttgaaga ctctttaaag gtaatttcta cctttccctt tttggaataa ggtctacttg 480  
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 tttanccnct nn 552

<210> 6530

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6530

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 tgcctgctcc tgttccctca gaatcaatcc ttacccatca cattgtctta cattagggcc 180  
 cacttgactc atttaaatag gtagctgcct ggttcttgag tctgaaatcc ctgtcttaaa 240  
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<210> 6531

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6531

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gaattgttag tagacaaatt ttcttctggc aaacaaacaa aaatgcaaca aaacttcaag 240
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aagtaggatg ttagtctcaa aatccaagaa gttaaattat taattcaaat tcaatcttat 480
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<210> 6532

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6532

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aagaaggcca tcaccattgg gaagaagtta aaatatatta tataaaatta aactaattta 180
tctttatgca ataaaatgtt agaggatacc agatgctatt tttataataa acatctattt 240
tctaaaaagg tcattatgtc atgcatacac aaacaaacag agaagcaaaa gagaaatgca 300
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<210> 6533

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6533

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tacaggtaca tcctaccaca cctggctaata tttgtattt ttagtagaga cgaggtttca   180
ccatgttgtc cagcctggtc tcaaactcct gaccgcaggt tatctgcca ccttggcctc   240
ccaaagtaag tgctgggatt acaggcgtga gccaccgtgc ccagctggta ttctcaaatt   300
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ttctagcctc tgctttactg aagccttttc cccagtaaa ctgtggagta cttacagggt   420
caciaaagan aactgaacct caggtaagct nttaaaanga aaccaacaac tgnnggggta   480
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<210> 6534

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6534

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attgtaacat atacctcatc tcttctcaaa aagacaggaa gtctacttcg tctagtgtta   180
aattttattga tctcagccct ttaggttgaa cttaaagaat tatgtttagt ctaactaaat   240
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acgacatttg tcctgaggct gtggactaca actcaagtta attacaagta ggtcatacat 360  
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 aagcaacctt tgatggttaa gnccaagtcc atcctttata gtccatttta accttantag 480  
 gaaggatcca tnggaaaaga cccctttingg anaattttgg ccatttcntt aaggctagca 540  
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<210> 6535

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6535

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 cttcaaagtc tgtggcaaaa taatggtagc accttcagaa tcttaaataag ggattttttt 180  
 ttttccttaa aaaaatcaca tacactgtga gagacaattg tgagcaccag cgatttcaca 240  
 gtgggaggta gcaaactgtg gcacccccag cccgaggatc tcgccgcttc ccacgcctgg 300  
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 gntccttttc taatatggcc atcaatagct tcctacaggg accagctgac gagacgcccc 480  
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<210> 6536

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6536

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 ttaacttttt gagtcagtcg caacagactg gcaatataac taacacaata cataacgata 180  
 agtgttgttc ttgataaaaa accaaattat ttttctatth acaattttta gaaaaggtht 240  
 aatgtaaaaa tatttttctt ctttatatat ttccctgcca tgataatgtt aaaacatatc 300  
 aagatcctcc tcaaacttta aggggtgaaaa gcataccatt ccattttagt tgaaatattc 360  
 cttcacatag ccaacacatt ttttcaaggc actctagcta ctacaggaaa aatgtcctct 420  
 tgcctactgg attattttcc cttcaactta tctaaattta aacttggtat tactgggttt 480  
 tttaaattaa gttttcatgg naccagtctt caagtaattt tctttatgng gagccctcct 540  
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<210> 6537

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6537

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 aaagcagctg cttttcaatt gtccaccagg tgacatgaat tcccaagttt gtactaaagc 180  
 ctctctttaa gaaggagcta tggcattacc atgtaattaa ctctcttta atggaatcgg 240  
 ccatcaagag caaggatcat gaagactagc atcagctact tagtggccag cagcctcagc 300  
 tcctatcaga ctgctgaggg ccactacata cgtgtccctt aagaagccta ttacctcaca 360  
 gagcagaaat acacagacaa gtagaataaa agcagaatat cctgctaagt ggctaataaa 420  
 cattggccac aggtggacac catctcaaag actnttccaa gagagcaagc ttncanatgt 480  
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<210> 6538

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6538

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ttcactatga ctctgcatt atcttcaaaa taaagaaaca cgccatcttt tctacggtat  180
gactttcggt gtcgaatggg aaaactggct agccatatgc agaaaactga aactggaccc  240
cttccttata cagtatacaa aaattaactc aagatggatt aaagacttaa acgtaaaacc  300
taaaaccata aaaaccctag aagaaaacct aggcaatacc atttaggaca taggcatggg  360
caaagactgc atgagtaaaa gcaatgcgaa caaaagccaa aattgacaaa tagggcctaa  420
ttaaactaaa gagcttttgc cagcanaaga aacttttcnt cagaggggaa caggccacct  480
acaggaatgg ggagaaaatt ttgcatitta tncattttga caaanggggt aatatcccag  540
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<210> 6539

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6539

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attatacagg catacgccac cacgcccagc taattttgca tttttactag agacgggggt  180
tcaccatgtt ggccaggctg gaactcctga cctcaggtga tccacctgcc tcagcctcct  240
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attttataac agaaggaaga agcaaaaata aaaatccagc cctactcttc atgcncagat  420
gaccggaaag gagatcattg gatactangg ataacattgg gtttctttct tgggaagtat  480

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tttnaaacct aatgaatgct gagaatttta taatagaaag ctggaataag canccaaaac 540  
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<210> 6540

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6540

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acctgcaaaa ctgtttatag atttattttg aggcctagtt tgtagtttt ctacactgtg 180  
taacaatatt accacaaatc tgggtgtgta agaacaagac acatttatta tctcacaggt 240  
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attcacttcc aaaataacaa ggttggtggc aatcttcagt tcctggcaca ctactagaac 420  
anggatctgg ttctgctgac tactggctnn aaggccccct taagttcttg cctganggcc 480  
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<210> 6541

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6541

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tcatatttcc ttgcttcttt gcataacctga tcattcttaa cagctttatt gatgtataac 180  
tagcatataa taaagtgaat atgttttaac tacatacata agtggtgaca catgtatata 240

cacatgtaac tgtcaatata cttttagaat atacccaaca ctcccaaagg tttcctgatg 300  
 ccctcttggt aagccctctt ttgccccctcc acactactct catccccaat acacatgaaa 360  
 aattctgact agatactggc cattgtgaat ttacattct tgggtgctgga tttactgnat 420  
 tatcttaaan ggatcctggc ttgtctaaca cacaataaat attttaatca attgancctt 480  
 catggttgct ttcaattttg tagaagaagt ccaaggcnga ctgacctcag actaattggg 540  
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<210> 6542

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6542

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 atcattactg ttcgaggcca gaacagagac gactagctct ctgtgtgcct ttccaagtc 420  
 tcaccgtgat ggactggcct tctctgngct ggtttcctaa tttcaaccat aanccttgta 480  
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<210> 6543

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6543

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ctacaggtgt gtgccaccat gcccgagctaa tttttgtatt ttcagtagag acagggtttc 180
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ccaaaagaaa cctgttccaa taaccattca cttctgnttt tccttccctt agcccctggc 480
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<210> 6544

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6544

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tgacacaatc ctggcactta agcgggaatg cagtggccta agttagggc aacatatctc 420
tcataccatt taccaaaaca aaacanaaaa cacttctggg gtgaatgtct gggcattctt 480
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aaaaagtcgg 550
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<210> 6545

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6545

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tgggactaca ggcgccctgcc accacgcctg gctaattttt ttgtatttt tagtagagac  180
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ttttgggatg ctgaaaaact ttactctggc taacatctaa gccttctctc aaggagtgac  480
ttaaaatgcn ggaaattttg ggtcataaat ccccagcagt aaaaaatgga aactaactcc  540
ttntttgggt a                                     551
    
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<210> 6546

<211> 427

<212> DNA

<213> Homo sapiens

<400> 6546

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tgactgaggc aagagcgcac caccctgtcc ggctatTTTT tttttgtat tttttgtan  180
anatgggggt ttggggtttt gccacgttgg ccaggctgct aatangtatg gattttgggg  240
gcaggatgat ggaaatgttc taaaattata nagtggtggt tgttacacaa cacagtnant  300
atactagaaa ccactaaatt atatgcttta tgagaagtca attttatggt tngtgaattn  360
    
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tatnccaata aagccatttn taaaaaaaaag antcggcngg gacaattact aaaagtgagg 420  
ngtcttg 427

<210> 6547

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6547

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gcgtttgaca taaataatca tttaaattag gaatataagt atgcacggc acttgagcaa 180  
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gaaggtggtg ggaa 554

<210> 6548

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6548

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aggattacag gcacgcacca cgacaccag ctaatttttt tatcttcttg tanagacagg 180

gtctcgctac attaccagg ctggtctgga actcctggcc tcaagtgatc ctcttgccctc 240  
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 atttttatta tggcttaaaa ctgaaagggt agccagggtgt ggtggctcac gcctgcaatc 360  
 ccagcagttt gggaggccna ggtggcanat cacctgnggt caggagtica agaccagcct 420  
 gaccaatntg agaaacccca tnttctnaa aaaa 454

<210> 6549

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6549

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 cagagcttct cctgtagggg tgtcggctac aggaacctta tcccagctcc aaactggacg 180  
 ccatcacata tcctgtcgcc tgtctgtact cccatgggga cgcagtaatt aagttccaac 240  
 cgagcgatgt tgccaagcct gaggacaatc ccggccccgt acgaccagcg gatgcactca 300  
 gccagcttac gaatatgagc tttggggccc tccccatagt tgaggttgca gaggtttcct 360  
 gcgttgagaa agaagtgtgt tcggaaaagt tctccaaagc caccctgcct gccggaaagg 420  
 taatgggggt tanagggtgca agccggcggc ccagtagcgt tcttcaccta ngtagtcct 480  
 ttgcttttgg ggcccaagct tggcattctg aatccgcgga ccctttgggg gtcccccgag 540  
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<210> 6550

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6550

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 gaaccatccg gcaaggcctc tgcagaaatt tgggtcccgtg gatttccacg ttatacattc 240  
 tcgaagcagg aagtaaggcg gcacacagag ggtgtgatat cgaaacgacg cagctacgaa 300  
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 cccgcgaggc aggcgggcgt cctcgaagcc agccccgac ggtggcggcg ccaggcgttt 420  
 cggcagcagc tctcgaatga agccataagt gtcccttcgt ggcgccggaa tcgcgggtca 480  
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 gtggtgaaag g 551

<210> 6551

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6551

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 tgtgccacca cgcccagcta atttttgcat tttcagtaga gatagggttt caccatgttg 180  
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 gggattacag gcgtgagcca ccgcacctgg cccgtcatac ctattttctaa attacacaaa 300  
 ttaagaaaga aaatgatcag aaattaggtg cagtttaatt ctggtttcat aggaaaattg 360  
 aaaactgggtt aaatatgatt cctgaacaaa atcatagaaa cttttattta ggagaagaat 420  
 gactttatat gcgaaaagta gcattaaatc taatcttctt tccttttagag cccttctatg 480  
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<210> 6552

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6552

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ggattacagg caccatcac cacaccagc tagtttttg tacttttagt agagatggag 180
tttactatg ttggtcaggc tggctcctcaa ctctgacct caggcaatcc acctgcctca 240
gcttcccaaa gtgctgggat tacaggcgtg agccaccatg cctggccaat gttatttttc 300
atagaaatag aaaaagcaat cctaaaattt gtatagaacc aaaaaagagc ccaagtagcc 360
aaagcaatcc tgagcaaaaa cgacaaagct ggaggtatca cactacctga ctagaaata 420
tattaaaagg ctatagaaac ccaaaacagc atggnattgg tataaaaact aacacattga 480
tcaatgggac caaatngata atccaaaaat taatccncat attacagcca ctgattttga 540
caaaggcncc aa 552
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<210> 6553

<211> 410

<212> DNA

<213> Homo sapiens

<400> 6553

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aactcaattc aattatctta aacaagaaag ggactttatt ggctcacaaa actttaaggt 180
ccggaggtag ggcaggcttt aggcacagct ggatctaggg cctccagaaa aatgacatca 240
gaacttagtt ctctttccat ttctgctagc atccgagttt ctctcagac agactctctc 300
cacatggcac aaattcaggc ttacatgggc cttggttcct gggatctcca taaagccttc 360
tttcagtag ttccagcana agttctgtta nngncttnc ctiancngg 410
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<210> 6554

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6554

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agctgcagtt agtcatgatt acaccactgc actctagcct gggacataga gtgagacctt 180
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cattatgtag ccataaaaaa ttagaatatg ctttatgctg tactggagca aattcgcaag 300
tactataatg acattttggg gtggggatag gacagtaagg tataaaaatg gggttatatg 360
taaacataac ccataaatgt taataaaaaa taaatgatta tttgggtaaa cataaaacaa 420
aacacaaata caaaacctaa aaagagggag actatgtgat atggntggct gngcttccac 480
cccaaactta tcatgcatgg aagtctcata accctatggg gcatggagga acccntggga 540
ggt 543

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<210> 6555

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6555

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ccatacccca gtgacacctg gaaggccagc gacagaactg ttcactctcc tggaaaggga 60
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aaatccactg gcttgaaatt cttgctgcca gcacagcagt ctgaagtcga cctgggactc 180
ccaagcttgg tgtggggaga agcgtccacc attactgagg cttgagtagg tggttttccc 240
ctcacagtat aaacaaagct tctgggaagt tcgaattggg cagagccac cacagctctg 300

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caaagctgcc atagccagac tgcctctcta gattcctcct ctctggacag ggcatctctg 360  
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 gangacctgg cggaagaagc cgcttgtggg tgcaacttta gcagacgtaa atggtinctg 480  
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 canctgcttc 550

<210> 6556

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6556

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 ccatatgagc cacttctcag ccaccatgtc ttcaaattca tcgacattga acttggtgaa 180  
 gccccatttc tttgagaagt ggatcgtctg gcagccagag aacttgaact tggccctgtg 240  
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 gccaatgtga cccctgacca cagtgccctg gggttttcca aaggcacctc gcatgcctgt 360  
 ttgaagccta cattggggta atgcaaggtc agagacatga acatacatct gaaaggccta 420  
 ttatcaaggt cccttagagc aacctatnga ggaaacaggc ttcatacacc accaaggaac 480  
 tgctggttgc aanccttgga cactgggncc ccataaggaa aggaactcaa tcccttnaat 540  
 ggctgnagag 550

<210> 6557

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6557

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agaattctga gggcagttct tccatgattt ttcttagcca tttctgttgg gatgtatttt 180  
tttcttgtga gattgtcctt ttctcttcca catcctaggg tttcttttat ccaccgtgct 240  
gtgcgcttgg tggcctcttt ccgtcttggga aactcgtgac tttcaaactc agatgtcaga 300  
cctggagtgt cctcgtaacc tttttctttt cccggtttgt tatctttgag cttttgattt 360  
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gtcaagttct gagtcacaag cgctttctct gaagtcccaa gccatagcca tgggtcatta 480  
ggangctttc tgnccacatc atggttctnt tggggggctt ggtccctcta agggcangaa 540  
gtccttggct catgccttaa 560

<210> 6558

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6558

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aacctccacc tcccaggctc aagtgattct cctgcctcag cctcccaggt agctgggatt 120  
acagacgtgc gccactatgc ctggctaatt tttatatatt tagtanagat ggggtttcat 180  
tttgtcatgt tggccaggct ggtcttgaac ttctgatctc aagtaatccg cccgcctcgg 240  
cctcgcaaag tgctggaatt acagacatga gccactgcac ccggccatt tggatctttt 300  
tttctaaaaa ctttatattt cactttttat tcatctcagt gtaacttcat tatgtattct 360  
tgnatatata aaatcactca tatactaata aattaaagt gaaatcatcc ttacctggct 420  
ctgccatgga tcgagggttt ttctgnaaaa tcctaaaatc tgggagaatc ttctattaaa 480  
gncccttntc tataccnctt aacctntggg aangggctcc nttacctggg 530

<210> 6559

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6559

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acaggcacac gccaccaggc caggttaatt tttgtatfff ttgtagagac agtgttttgt  180
catgttgccc agactgggtg caaactcctg agctcaagtg atccgcctgc ctgagactcc  240
caaagtgtcg gctgggatta caggcatgag ccaccatgcc tggccttaat ttgtatffff  300
aactattcat ttgaccctct ccacccctga atacatgaaa ttttagaaga cagtgtcac  360
ttaactgata cagcactctt taatagtcta tctacaagtt tatgttaaac tgtgtttctt  420
caacaatgaa actgatttta ttttggctca agtcaaaaca ctnaaataaa ttcttcatca  480
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<210> 6560

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6560

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gagatggagt ttgcccagg ctccagcctt gtcgcccagg ctggagtgca atggcacaat   60
cttggctcac tgcaaccacc acctcctggt ttcaagcaat tctcctacct tagccccgcc  120
ccgagtagct gggactacag gcgtgtgcca ctacacctgg cttttttttt taaattagag  180
acagggtttc accatttttg ccagtctggt cttgaactcc tgaactcaga tgatctgcct  240
gcctcagcct cccaaagtgt taggattata ggctgagcc accgtgcctg acctatatta  300
agacttttta taccagaaa cattatgcca ttacgttgaa taccacggtt ctgtctttca  360
agaagaaatt aagtcttcct tcaaccccat aagacaggat tgaaaaaaa attagttttc  420
ttcaaaaagg attattaaat ttatttctca aaggttatta ttaaatttgg tcctcaaact  480
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gtannnccaa

550

<210> 6561

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6561

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aaatagagat ggggtctcat tttgttgcca agactgggtca caaactcctg gcctcaagtg   60
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ccagtttggt ttttaattta gaatttgccg tggaccaaca ggcagtcgta ttctccacaa   180
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ctaaagcatc accaccatct gtccatttcc cacactagga gatacctctg tattacgcag   360
tcccatggca gaagcttctg gaggaggaaa cagatttccc ttgccccttc agttgaagaa   420
tgaacatcag gaccagagct ttgacttgcc aatgactagg gtggcctggt ctaatggaaa   480
ctgagagcct ttatttctcg gctctgnttg cnaagctttg tcaaacccaa natgctntgc   540
aggtnggac                                     549
    
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<210> 6562

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6562

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gtggagtgtg tgagagagat aattcttcaa attcccttta gtgcctccaa cttctcagtc   60
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tggcttgacc ttctttcctt tggagcaatc ttcctgtgtg gggaggaaga aactggcaaa   180
accaccaag cttagttaac ttcccaagta accactagge tcaaagaaat ttcacctgtc   240
    
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ccagccctgt caaacagggg actacacact gtcctctgt caitccctct ctgtgtcctg 300  
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 gatacccaac aaggaggcta ccaatgagaa ggaataaaat gccactcttg gaggcacccc 420  
 tatctctctg aatgaacctg tttangtgca gcatacactc atacngaaga aaaggaactg 480  
 gctcgcanaa taagccctnc caattncnca aggcccaaan cggggc 526

<210> 6563

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6563

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 ttggggaccg ggcggtccac ctgcagcctg ggggaggaca tccctataat gaacatgctg 120  
 cctgggcttc agggggccac tttggtggcc aagatggcat ccaggacacc cccaagtgc 180  
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 ctctcggcga ccctgctgag taacttgtgg actttgtcgt ctggccagtc atgcaggatc 420  
 cggcacagga cgtacagntt caacgcttgg gaagggggtc cctgaaaaaa gtcacctgct 480  
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<210> 6564

<211> 411

<212> DNA

<213> Homo sapiens

<400> 6564

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ttactgcatn taacaaaaca atgccttcaa ttaaaggggg aaagtgagtt tttaaacatt 120  
 aggggttaat ttagaagaaa atacagtata taataatctc aacatcatgt ttagggtaaa 180  
 aatgctataa tgtgaaaaaa gtcctaaga actggacaga acctaccta caacaccatt 240  
 taccgtgtat gttttcaata gacaaaacat attttgtacc aaattccaac agtggttaatt 300  
 ctatagttgt ggccctttta aaaatggcag cattgtactt gaatcagaaa gcttactggg 360  
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<210> 6565

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6565

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 cccgagtagt tgggattata ggagcgcatac accacaccct actaattttt gtatttttag 180  
 tacagactag gttttgccgt gaaggctggg ctggctctga actcctgtcg tcaagtgatc 240  
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 ggtgctgcac ttacttaat cnggtaaagg gttactttta cagaggttta ccttaattgg 540  
 gaaacaantt gc 552

<210> 6566

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6566

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atggacttaa atgagtccta ttatttatga cctgatatat ttgtttactt ttcttacatt	180
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aggcaggagc acttaagacc ttggggcaaat cgattcattc ctttttgccc agctttctca	300
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ggagacctaa gagaggcgga gcgctgagaa gtcccgaac tggctctggg ccctgtgggg	420
tggtnatgg ggtcatctct aaggaggtct ggtgaattgg aaggggctga cctnaccttc	480
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gaaa	544

<210> 6567

<211> 515

<212> DNA

<213> Homo sapiens

<400> 6567

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tacaggcgcc tggctaattt tttgtatttt tagtagagac ggggtttcac tgtgttagcc	180
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aatctgggng ngnatatgga tattttaaac cagcngaact tgnctttgca aaatttgaaa	480
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<210> 6568

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6568

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gatcccntgg gttaaccggg ggcccccggn accncggggg ttgcctttct taananactt 540
ggaccttggg gcccnng 556
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<210> 6569

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6569

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aattctagtt gatctgaaac gaactgaact accttgtaaa tagtaggcat tgatagtaga 420
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caggaatgta gatcagatat catgatcaga tntcatggca ngggttggag ggagaaactc 480  
 ggttttgtac cngaaaggaa gaaacaaaaa tcagctncat taaaatgncc caatcccatg 540  
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<210> 6570

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6570

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 ggattacagg caccgcgaac cgcaccggc taatTTTTgt atTTTtatta gagacagggt 180  
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 ctaaaatggt gcagccacta tgaaaaacag tttggcagtt cctcaaaaag gtaaattgtg 360  
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 aagataaaaa taaaagaaa aacnnaaga aaacttcatt tgctcttctc cggtcaccaa 480  
 aataaaactc aaattcnta nctggcttgg cataccaggc ccctttataa ctaactttaa 540  
 cctatctntn c 551

<210> 6571

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6571

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agctctgacc cgtagcggct gtggcacttg gggcatatga agcatcactt ttgacttccc 180  
 tttattatta taattcttgc cactgaaaat agccactatt tagctgaatt atccattaga 240  
 caactggagc cagaagcttc tacacattct agaatgtgaa caatttaact cttgctgcat 300  
 caccagaaaa aaatggtggc aggaatggtg agggagagga ggaatctctt gagttagagc 360  
 ctcaggtctg aaaaggcaac tggtaggatc atcccattcc ctctcagaag cttctgaagt 420  
 ggaagaaaaa caagcaaatc ctaaagcaag taactttatt atcattcctt taaaaagaac 480  
 cnagggaataa ttcccaccta tgtgaacacc aacnggttgg gggttaagga ggtaaccaan 540  
 gggccccctt t 551

<210> 6572

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6572

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 ctctctttct ctctctcttt taatctcttt attatggaaa ttcagaaact atacacaacc 180  
 cagaatagtc tatgaactcc ctaaagactc atcaaccagc ttcaacaatg atcatctttc 240  
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 acaagcgatt ctctgcctc agcctcccga gtagctggga ttacaggcgc atgccccctg 420  
 gccagctaa ttttttgat tttttttaag tagaaacggg gtttcacat gcgggccaag 480  
 ctggncttga ctccnggcct ttgactggca gcttggctct aaaggggctg ggatacag 538

<210> 6573

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6573

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atagaaattt taaactacaa aagatgagtt gtattcagca aatataaagg gtaatttttag 180
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ccgatgctat ctngggaccg gganccgggc aaatttcggc gnttttcggg aggaaaactt 540
g 541
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<210> 6574

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6574

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atatttttaa tgaccagttc gcacaagaaa taaaatatat tatacaaaac atgggttata 180
tccacagtca ttagttctcc ttttctacac aaaacagcaa taaattaaat cacattatat 240
gcaaatagtt agttgtacat tagaacaata aacagtatgt aacgtgtgca gcttttactt 300
ttacttttct accagactca tgatagattt gtactgtttg gtagtcctgt atttaaata 360
acaatgaata atgtgacca gaagacaggg gtcacagaat tggctctgtca caaggtctat 420
cccatgtcct ctgggtttca attatccacc atgcacaggg aacaaagctc agattcccag 480
gaccaaacac aaaggtctgc aacgaacaaa ctccaggaac tcctgctggt caagggtctac 540
tttat 545
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<210> 6575

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6575

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acaacacggt gaaacatgaa accccacctc tactaaaaat acaaaaatta gccagatgtg 180
gtggcgggca cctgtaatcc cagctacttg tgaggctgag gcaggagaat ctcttgaacc 240
cgggaggcgg aggttgcagt gagccaagat cgcgccatcg cactccagcc tgggtgacag 300
agcaagactg tctcaaaaaa aaaaaaaaaa aaaaaaacca aaaaccaaaa aacattccac 360
tggctcatga caaacgaaga ttcccagtga gcccttccag aaccacagac tccgcaggac 420
agggtttctt tttgtgaggg gctgtcctgc gcactgtggg atgttcaaca gcaccctgcc 480
agtacacaag ccccaggtnt gacaaccgga aaatgtctnc agaaatcgcc aaatnaancc 540
tgggtgggna 550
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<210> 6576

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6576

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gggtgggaag ggaaacaaga gtcaaattgt gtaaggtttg taggccacat aatgacttta 180
cattttatac tggatatgaga atgggaagct gggtttggag caagggtgga acttggtatg 240
atttatattt ttatcagatc actctggctg tgctgtagag aactgattgt aggagaccaa 300
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tagtgaaagg agggagacta gtttagaggc ttattacagt tagcaggtag aggttgcagt 360  
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 agaagtacag ctgacaggac ttcttgatga actaggtgta aagtatgang gaaagagaag 480  
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<210> 6577

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6577

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 tgcagccagc ttccaattt accctattta cccttagggt atgaaagtct gagttactcc 180  
 acatccttgc tatcacttga tattgngtat ctttttcatt ttgtctatgt tgctctatgt 240  
 gtagtagtat tctatgggtg ttttgaagtt ccctaatac taatgaagtt gagcaccttt 300  
 tcttatgttt actgattatt taggtatcct ctattgtgaa tgtctgttca agtctttctc 360  
 ccattttcct actgggaaat ctgatttttt ggtttttttg gtttttttga gacggcgtct 420  
 tgctctgnca ctcantcagg ctggagtga atgggccgat ctcgntcgg tgcaactctg 480  
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<210> 6578

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6578

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 taacacattt actacagcac aggaaccaat gaaggtacag tgtacaaaaa actgtaaaca 180  
 cggcacaata aatagataaa acagcagggt cgcaccatg cacatgatgt gatgacactt 240  
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 aaaaattgaa gcatgagaga tgagcattgc tgtcaagtcc ccacagctgc cacagaaacg 360  
 catgtgctgc tttccatcat cccttgnatt caaaatgcta ctgatgcata gcacctaata 420  
 aaggtcccca ggcttnagtt tcaacteggan ggaagctncc gtaccttcat tggttctggg 480  
 gtggctggta ttgtggtaaa tgcttgnntt tctggatcaa ggatttncct tggactggat 540  
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<210> 6579

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6579

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 ttctggctca ttctttgctt cctcatcatc agattcaact tgggcaaaca tggttttggg 180  
 ctgagtcttg gaatatgctg ganaaaccce atatgggctg tcttctgctg ctttggcatg 240  
 acncaaaang gnttcccag gattactgtc atcggctctg tccaaagcaa tgttcttcac 300  
 aatataggaa gagagagtgc ccccgtaggt tccaactcgg ccaccacgac ctgggcctgc 360  
 tacaggaggt tcaggtttat gcgacttcag gggaaccag tctgnccttn ttcagctggt 420  
 tccttggact ccgttggcng gggcttacgg acatagcaag gcttgagggt gangaatgaa 480  
 nccctggagt taaagcctaa cttggtttgg cttccgtn gttttaaccn ccataaatt 540  
 tggctcccct ttgacttt 559

<210> 6580

<211> 491

<212> DNA

<213> Homo sapiens

<400> 6580

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atgagtccac ttcaagtccc atgagaaaga gcatgtctct aaagaaaaac aaacaaaacc 180
aaagcaaaat aaaaagagag gcctaaaggc cttggtgccc cattgtgttg gaattcatca 240
tattccatct tgactttttt gcttccagtc agccagcaga ctaaattttt gtgcttgttt 300
atgctgaaat tgattcaatc ctgactcaag ttcacttttg gacacagatc atattctgcc 360
tgttggatgc aaaagatgaa aatcctctta acttccaagt cttggntcga ctncctncca 420
nttncccacc cttatcaaaa tcaggatcnc caattaaaaa aaaaaaatn gaaattggga 480
aaaggggaaa a 491

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<210> 6581

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6581

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aagagataag gtcttagggt cttgctctgt cacctggagt gtagcggcaa catcacagct 60
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aggactacag gcatgtggca tcacacctgg ctaatttttt ttttaatttta tttttgtaga 180
gacaggctct tgttatgttg tccaggetct ctactttttt ctcttttttt ttccccccac 240
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ctggcttact gcaatctctg cctccagggc tcaagtgatc ctcccacctt ggcctcctga 360
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gagatgggat ttcgccatgt tgatccacct gcctcagctt ccaaagtgct aggattacaa 480
gcataagcca cacaccctgn ctctttcatg gatcttctaa ntaccctaa cagtnccaat 540

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nttaaagagg gtttttgg

558

<210> 6582

<211> 572

<212> DNA

<213> Homo sapiens

<400> 6582

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 tactttaagt tccttaataa gatagttttg tacaattatt tttgtagcct ctccaaaagt 180  
 gacaagtcac tgacatgtaa aaaagtagtt aatatacgct ctccagagtc atacgcatga 240  
 gattctctta agatccgttt gttctgcata atattaaaaa ttacgtatca aatccagaaa 300  
 atgaagagga catattagat tctgaaatag taaattcctt ttagttccca actcagatca 360  
 aatctgagca ggacataaaa aatacaatga aaagttaa ataggctctat taatgattaa 420  
 aagggtncat agtcccagta tgaattctaa gttggtaa atctggccactt tanggaaggg 480  
 aaatagttcc taaaaacca acccnttaac cgaccagggc caggttttca aacccaaatg 540  
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<210> 6583

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6583

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 gattacaggc atgcgccacc acacctggct aatttttgta tttttagtag agatgggggtt 180  
 tcacatggtt ggctaggctg gtctcgaact tctgacctca agtgatccag ctgccttggt 240

ctccaaagtg ctgggattac aggtgtcagc caccacaccc agccccatcc atactttcta 300  
 acagaacctg ngttttattg aaagtatctc ttctcatcaa catccacacc tcgaaaacct 360  
 ggctgntggc tgggataaan tttataaggg taggctcaag cttcttgaaa ggaactgggt 420  
 taaagggcac gaaggcactt ntggngaagc aaccacagaa anggattana agacctnggn 480  
 aaaggtttcc atactcctta cagaacttga ccngaccgag aac 523

<210> 6584

<211> 480

<212> DNA

<213> Homo sapiens

<400> 6584

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 tctgtacatc agtttcctta tccataaaat gggaataata atatctcata gagttgtttt 180  
 gaggatttaa ataaaaatat ttaataacta taaatatcat tgtccagaca caatgncatt 240  
 tagcttttct cctatgtttt cttccagtag tttaacagtt tcaggtctta tgctgaagat 300  
 gttaatccaa tttgatttga tttttaggtt ggtgtgaggg taagggttcg atttcctct 360  
 tttgcatatg gatatccaat tttccaaaca ccatttattg aagacactgg cctttcctac 420  
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<210> 6585

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6585

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atatacactt cataaaaaata gaatacatct tggcaattgc ttagagtcta ttaccacat 180  
gtacagtgtg ttgacgtgta atatittatgt taatttgaac acatgagatt tttaaaaaac 240  
caaacctgtc ccactggtat ctttaaaaaat tgctttcatt gacaggaaaa taaacaaaat 300  
tctggaaccg taaaagttat gaagctaact ggatgaaagt ttatattaaa atttttaaag 360  
ttccatgccg tgtacaactg acgtgagggc aaagcagtct tttttattat tattatcata 420  
agnggtcagc tgatctcaca aaatcactga aaataatata ctggtctgaa ngccaatca 480  
ngataagccc cattngggat caaacaagcc tttagnact ggnccatatt tggaaaanga 540  
gggggggttc tcttnaaaag 560

<210> 6586

<211> 509

<212> DNA

<213> Homo sapiens

<400> 6586

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tcatggtagt ttgctacacc catcaccctg agttctgtta taatattatg ggactcccaa 120  
aatacatgtg gtcttatctt tggccaaaat gttgtcatgc agtataccat tttagataca 180  
tcaagaatct tttgcctggg tgtgtggctc atgcctgtaa ccccagcact ttgggaggcc 240  
gaggtgggtg gatcacctga ggtaaggagt tcaagatcag cctggccaac atggtgaaaa 300  
cctacctcta ctaataatac aaaaaattag ccagatgtga tggctcatgc ctgtaatctc 360  
agctactcgg aaggctgagg cacaagaatc gctgaaccca ggaggtggag gttgcantaa 420  
gccaagatca caccactgg actccaatct ggggcaacag aancgagact ccgnntaaaa 480  
aaaggaaaaa acntntgcca tacttnaaa 509

<210> 6587

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6587

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agctcatcag ctatcattcg tgtttagcgta ttttacgtgt ggcccaagac aattcttctt 60
cttccaatgt ggcccaggga agccaaaaga ttggatagca ctgccctaga ctatcagcca 120
cgccgctctg gctctcactt cccacttccc cagggcctgg ctcaatattt ttttaaaagt 180
atggtataaa tgaataactg atctcttggt ctgtctgctt taatcatgtg actgagtgc 240
aaaaaacaat taccactta aaaacacaga gatgcaagtg aatcctttgc cataacaatg 300
agcccactct ttatcaatac cctgtttgtgc caaacaggta gagaggtttt aaaaaagagt 360
caagtatccc aactcatatt aaatttcccc atattctcca tattttaaaa gcactgggtt 420
aanatgggt gatgcccttt aagaattccg naccaaaagg attttcaa tccaatggca 480
tggaatttca tcggtaat tnaatgggcc aatnttaaag gtcacattaa cccgacaaag 540
cattttaact tctganttgc anggnccgtt gggt 575

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<210> 6588

<211> 581

<212> DNA

<213> Homo sapiens

<400> 6588

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ggtagagatg tgagtctctc tatattgccc aggctggtct tgaactcctg ggatcaagt 60
atcctcccac cttgtgtttt taacgggttt ggcacatgca tcccggtgca ctgtaagagc 120
ctagcaaata gaaagtgtta ctggaatcat ttagtgtgaa atcttacagc acccactcta 180
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tccagaacaa tgcctggcac atgtagacgt ttaataaata cttgcataca tgaatgaatc 300
ctctatgtgg cagattttta aacaccgcan gaaagacagc tcagactcct ccccgacca 360
gcagaaagt tacctttcan ggtagctaca gcctnttcca cttgaccang aaggaaagcc 420
ccgctttcac gtcttttaaa agtaacccaa tcggcttggc ttgccngnga agtccttntt 480
aaggctttaa caaanctttc aacttgcttg nggaaccang gccccagcc cataagcttg 540
acaccaaggc cttacaaagg aaaaggangg gccattnc t 581

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<210> 6589

<211> 394

<212> DNA

<213> Homo sapiens

<400> 6589

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gcctcgtgcc accatctgga gatgcagaga ggcgggagac ccatgtggcc tttgaggggc 120
tttcaggctc gtgggggttc aggcacagac accaccaatc tgaaccaggg gactgcagga 180
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gggggtaagg agagaactcc tgaaaggtaa ggagaagccg agggctaagt tacatttcga 300
gtggatggga aggggtgtgg actgactggg ctcctactca ctattgggga ctngtatgc 360
tggcctggcc ttanagnct cananncagn taca 394
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<210> 6590

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6590

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caacctccgc ctcctgggct taagcgattc tcatgcctca gcttctggag tagctgggat 120
tacaggcacc caccagcacg cccagctact ttttgtatct ttagtacaga tggngtttca 180
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tcctaattgct cattaaattg gaaggacgga gagaataaag ttcatcccca gccttctaga 360
acagagttcc aaattgctgg cctagggcca aatgtaacct acagatatgc tttgnctgcc 420
tacactggtt tagaagattt tgagttcatg accgattttt aaaattggga acatttaaca 480
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taaaaatnca tatggttnaa gtttaccaaa actcanagga ttggcccaag tggncaccagg 540  
ggactggact naaaaatgg 559

<210> 6591

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6591

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ccgctttggc ctcccaaagt gccaggatta caggcatgag tccctgtgcc cagcctgata 120  
tggtttggat ttgtgttctt gcccacatct catgttgaat tataaccccc aatgttggag 180  
gacaggcctg gtgggaagtg attggatcgt gggggcaaac ttcccccttg ctgttcttgt 240  
gatggtgagt tctcatgaga tctggttgtt taaaagtgtg tagcacctcc cccttctctc 300  
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tgtaagtttc ctgaggcctc tgcaaccatg ctctctatat gacctgaaga tccatcagcc 420  
aattaagcct attttcttta tgaattaccc agcttangta gntctttatn ccgaaaagag 480  
ggntaattga cttacaagtt ctggataatg tgggaggccc aggaaactta aaacctggng 540  
gaaggcaang ggaancangg cccct 565

<210> 6592

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6592

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gcctggcgtc attatcattt taacattgct gctgtatttt ccctttagg gacaaataat 180

atgactatTT tccacTcct tgctccaaat catcagcata aatagcaaac tattcaagga 240  
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 ctcttaatga atgaaagtac gaagtgccaa aacaatgttt aattcaaaaa tcatttatct 360  
 tggctttata aaggaggaaa aacttgagtc agacacacat ctaagcacga atttggaac 420  
 aatttctncc tggTTTTggt tgacatgggc ttacatgaac cccaaggagc cacttttcag 480  
 gccagaagac ngatgatcaa gggcttntaa ccagganaag cttttttcca agggtnccaa 540  
 agcacttttc anttacttga ccgggaaaac aattt 575

<210> 6593

<211> 481

<212> DNA

<213> Homo sapiens

<400> 6593

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 tacaggcatg tgccaccacg cccagctaatt tttTgggttt ttaatanagg gggggTttca 180  
 ccatgtcgac caggctggTc ttaaactcct gacctcaagn gatccacca cctcagnttc 240  
 ccaaagngct gggattacag gcttgagcca ctgngcctgg ccagcatagc tttcttaang 300  
 cattcatgaa gctgcaatgn ataattgnct tgagataaca ttggatgtta atactacagc 360  
 aaattttgcc atgtanacca cacatttatt aaaagggatc tcattcttta gnattctccc 420  
 ggacttntnc ccatnccaaa gtingccttc attttgaatt gaaggtangg attaatingc 480  
 t 481

<210> 6594

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6594

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agaccacagg cacattccac cagctgacaa aaattagccg ggcggtgggtg cgggcacctg 180
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gcagtgagcc aagattgccc tactgcactc cagcctgcgt aacagagcga cactctgtct 300
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aangaagaag aggaagactg tncagactac 360
tagagattat ggcaacctct ttctcaatct tggtttcttg gtttttggtt ggtatttgng 420
gagatgggat ctcactttgg tgcccacctg ggctnaaact cctgggcttc aagngggcct 480
tccaccttaa ncttccata nggctggaaa tacnggcntg aaccccccat ggcctgggct 540
ggaanccttt tttttttttt tttggnaaag gagnet 575
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<210> 6595

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6595

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taaaggtagg tgtcaccaca cccagctaat tttttttttt aagtagaagc ttactttctg 180
aggtgttaaa ttctaggttt ctattattca aatggcaatg ttaagcaggc tggatgaatat 240
ttccgttttg agttcattgg ggaaatatga aaaataacat gtgaagtaat cctttgtaaa 300
cagaaaaatc tcaattctat tagaatttat tccttcagca aatatttatt gggcacctac 360
tgngtgtcag gcactgtact ggggtgctggg gtagaatcat gatgaatttg gataggaaca 420
gttacgacct tcatggagtt tcattacaat ttaantagnt canccggntt ctggagacct 480
ttttttgagt actgggnaaa tatnttgaan ccac 514
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<210> 6596

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6596

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gatcatcctg tctcagcctc ctgagcagct gcaatgacag gtgcacgcca ccgcatctgg 180
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tactaaaaat gcaaaaatta gctgggcgcg gtggcacntg cctgtaatcc caagntactc 480
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<210> 6597

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6597

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ataaagttca cataataatt aagtgccttag gtaaaataat tagcaagtct tttgggttga 360
tccaaattaa agctggtgta gcctaacatt cttttcagtt tctttgactt caaaatgctg 420

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aaccacatca acatgtttga aaccatgcac tattatTTTT tggataaaat ggtcagacaa 480  
 tgcttacaac agctagaatc tataTnggga cattttaaag gggaccncc aagaaccccc 540  
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<210> 6598

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6598

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 ccatgtttggt caggctggtc tcaaactccc gacctcaggn gatccgcccg cctcggcctc 240  
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 aagaagcaaa gtagccatga tgcacctgng cttcaaagcc attcattcat tcattcattc 420  
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<210> 6599

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6599

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 aggtttcttg tgatgaaata ctacaagaat gaagaattaa caaactgggtg ngtaattcat 420  
 cagaaaagca tattaacttg ctgaagtcca ctgaatgaaa ccaaaatgaa gctgggnagt 480  
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<210> 6600

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6600

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 aattaacttt gaattattgc ttttctgttt tctgcctcat taatttcctt tatctttttt 360  
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 tcatcctttc atttttactg atggtaaata ttttaaggnta tacattttct tctnaagact 480  
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<210> 6601

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6601

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 cacaggcaga aaatttcctc agtttttcta aaaagcagca aacttgcata gctcagctat 180  
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 ctaaacccca agctgctctg aaagtcttct aacataataa gccagtatgg tgggtggtgt 420  
 ggggggnttt ctatctctga aactatgcaa gttaggaaac cccttggaatn aaaagctncc 480  
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<210> 6602

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6602

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 aactacaggt gtgcgccacc gcaaccagct aattttaaaa aaaaattttt tttgtggaga 180  
 cacagggtct cactgtattg ccaggtctgg tcttgaactc ctggcctcaa gcaatccacc 240  
 cgccttggca tcccaaagtg cggggattac aggcatgagc gattgtgccc tgaaattttt 300  
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 tctagaccct tctctccac ctcttctgag ctctgcttgg cctcccagcc tgttgcttc 420  
 anggtcttca ccatggtgtg gctgccctgg ggagacactg cttnaaagcc ctggcttggg 480  
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<210> 6603

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6603

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cccaggtagc tgggactaca ggtgcccacc accacccccg gctaattttt tgtattttta   180
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accctcctgg gcctcccaaa gtgctgggat tacaggcgtg agccaccgtg cccggcctga   300
aatagacagg tacttttata tctattttcac agtccaagca gctgacagag aactgtttaa   360
ggacttgtcc aagatctcta agctagttag aggcagacag aggcaaatta gagagaaaat   420
ctcaagtagt tttctcttaa ctttttgctt ttcctaacaa ccaatgctca ataagaggaa   480
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<210> 6604

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6604

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ggtaactgca agacacaacc cagggttaacc agaagttact gtgaaattct caaacttgca    60
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actggagaaa catttccact tgtgtattga aaagaataaa atcattattt aaacactcta   180
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tctcctatca tatacgtcaa tacgcatatt acaatggttg ggcacatgag tatagggtct   300
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tcgtggataa tttttcaata gccttataag gcatacaagc ataactggct acaaaaaagt   420
gtatatgtaa agggagttaa tggccttgct taattaaaat gnaaaacttt agcatcttaa   480
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<210> 6605

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6605

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acaggcgacc tccaccacac ctggctaatt tttgtatatt ttagtacaga cagagtttca  180
ccgtgttagt cagtattgtc tcaatctcct gacatgtga tccgcccgcc tcagcctccc  240
aaagtgctgg aattacaggc gtgagccacc acgcccagcc aggtagtctt ttatagcagt  300
gtgagaacag gctcatgcag gtctgggtgga aggtgattgg atcatgggtg ctgtttctca  360
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ntgnctaaaa gtgtgtggta ccttccccat cttttttatg gncctgnttc taccatggna  480
aaagnatgct tccactttg                                     499

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<210> 6606

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6606

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catgtttcgg gattatatat atgcacaaac tttatttccc taaaaagaga ttagatattg   60
ttcggtagta tatccaacta cataatttta ccaactacct cacacttata attcttttac  120
tatgtgcagg cagtgttcta tgtacttttag gtatattaac taatttaatc attcaacaac  180
cccatgaggc tggcattgtt cattgatatt aatgagaaag ctaagagagg aaataagtag  240
cctttcaaag gtcacacaga agtaagtac agatccagga ttcatatcca agcattcttg  300
ctctagtgtc catgtttctc aaccattatg acccaatatt caaccaaatc aatactgaag  360
gacacgtgaa atgtatccgg tattttacta ttacaaacaa aaatccaatg aacattcttg  420

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aagacatacn caaaaataat ggntcaatag aagttactgg aattgnaatt ttgggtcaac 480  
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<210> 6607

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6607

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 tctataaatt ggggtgtgcag caaggacaca gcaaaaacaa aacagatatc ctttactccc 180  
 taaaaacaac aaaattatga tgtaccacaaa atagaaaaat ctcactctat aactgattc 240  
 ttttcaaact ataacaagta tacaataact agtatttccc gtctttcatg agatatttgt 300  
 aaagtctgcc gattagttat ctatcaagaa ctttaaggaaa aaatgccccca attgccaaac 360  
 atgaataact aatttggatt caacatggac actttacata aacttttata cttgggtatta 420  
 gagatTTTTT ttcttgggct ccatacagat tctaaatgct gacttccaca ttaccaaag 480  
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<210> 6608

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6608

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caaacacaag catgtgccac catgcccagc taatTTTTTT taaaatTTTT tgttgagatg 180  
aagtctccct atgttgccca ggctggctct aaattcctga gctcaggatga tcctcctacc 240  
tcagcctccc ggagtgtggt gatttcagggt gtgagccact gcatgcatcc ctttagtggt 300  
atcttttgca acttttagtt cttcaaacctt aatttttaat tacagttatt aatacccttt 360  
tctaagttag aaatgtgtac ctttttcaca agatttttaga ttgatttgaa attgaggatt 420  
ttatcttata atttcctctt aacagccctt ggganaagca ggttttgctt ggtgaagcca 480  
anggagagag aaccgaaccc ngacacttna ggtcatcctt natttgggga ttaccnggnc 540  
cgatt 545

<210> 6609

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6609

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tacaggcacc caccaccatg cctggctaata tttttgtatt ttttagtagag acagggtttc 180  
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caaagtgtg ggattacagg cgtgagccat cgtgccacc caggatctac attttaacaa 300  
gatctgatg atttgtgcat gcattaaagg ttgagaaagc actagtctac atgccatct 360  
atctggacac cccacagcca ctccagccca gcatggccat gctgaatgca gacccttcc 420  
ctagaccaca aaatttctgg ttgggggttt ctttctgatg aacaggttct atcctatgna 480  
tgagaaatgg gaatgtggnc tggaatgggg tcaatgtccc cgcctgnggg tggcttactt 540  
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<210> 6610

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6610

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aacattatta atcttctga ctaggcgtaa gtgagtgagg agggctattg aaaaggagct 180
aaacagtttag actgggtacc ctgaaaaag aaaaggaact ctgaaagtga tgactgatga 240
tactgaaaat aactgagata cttaaaatcc aaccgctcgc cgggcctacc accaggcaag 300
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gccgtgaaat gactctcatc tcccatcctt ccctcccagc atcaccgag agagacacga 420
ctctcagtg ctggaggctt cctgccttaa attaacgctg nacctttnc aataatggttt 480
cagtagaccc aacaaaaagt ttggagaant tgagccaatg actccaccgn ggggcccg 539
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<210> 6611

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6611

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tggcagaatt gagtcgttgc atcggagacc acgtggccac acaggctaaa atatttacca 480
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<210> 6612

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6612

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tacagggtgca tgccaccaca cctagctaata tttttttttt ttttttttagt agaaacaggg  180
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gatcttggct tactgnaatc tccgccttct gggttcaagc gcttttctgg ctaaccttct  480
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<210> 6613

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6613

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cctgtgtttt aaatatTTTT aaaggactct ttcatcaga gtattcttcc ttgagggaag  180
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tctcccacgc cccatagacc cggcacctgt taataactgg gcccggtgcc tnacctgaaa  420

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actgggggtc acacggcctg tctgaaaaac cctgatgtga taaacaccnc agagcancat 480  
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<210> 6614

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6614

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<210> 6615

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6615

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tacaggcgcc cgccaccacg cccagctaata tttttgtatt ttttagtagag acagggtttc 180  
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<210> 6616

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6616

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<210> 6617

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6617

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gtattccatg gcttatatgt gccacatttt ctttatccag tctggcatcg atggacattt 420
gggtatgatt aanangctga ngagtttctg naataagatt ctttncctgg nccctttctt 480
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<210> 6618

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6618

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<210> 6619

<211> 322

<212> DNA

<213> Homo sapiens

<400> 6619

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gagtcagggt ctcactctgt cactcagtct ggagtgcagt gacatgatca tggctcactg 60
cagcctcaac ctcagggtgtt tttttttttt tttttttttt ttttttttag ttgggtgaat 120
actgtaaaat tgtatttatg ctgtgttttt tttttttttt ttttttgagt cagggtctca 180
ctctgtcact cagtctggag tgcagtgaca tgatcatggc tcactgcagc ctcaacctca 240
gggtgttttt tttttttttt ggagtgttgc actgtcacct gggctaaagt gcaanggctc 300
catntnagnt cantgnaacc tn 322

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<210> 6620

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6620

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gtggcacgaa acattttaat tgtaaacagc aaggctctct gccaggcagc ccagatgaac 60
aggggtggca ctgtgctggg gtgagggtgt ttctttgtgg gaacgaaagc agacggccca 120
ccctcgtcta gccctgggcc cctgtcccca aggccagctc gctgagcctg cgctcctcct 180
ggaagcggat gagggcatct ctctggttga ccaaatecac cagcttcctc aggacctggt 240
cctcagcctg ccgatcagca gctgtcttta ggttttcttc ccggttcatt tagcctcgta 300
gctcctggtc cagctgccac tgtttctcct ccagattcaa ttcctgcacc gngatcatga 360
actcggncn ctcagcacca agctgntggt cttgtcaacg agctgtanca actgnctacc 420
cataagttct ttttgctggt ctgggggaact gnttttggcg ccttaanggc agttcaagtt 480
taacgccctt gggcttanct tcctnaaggn agcctcaatc taattaancc cccttggang 540
gctggg 546

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<210> 6621

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6621

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agttgagacg gggtttcacc atgttgggtca ggctgggtctc aaactcctga ccttaggtga    60
tccacccgcc tcggcctctc aaagtgctgg gattacaggc atgagccacc acacctggcc    120
tcaagactta ctttaaatta aaataacagg agagaattat agaatgacaa tcaccaagga    180
ttctaaaagt ctacataacc ataagcacia ttgttcacag agcatctaga cccgatctca    240
gtaagaaaca atgaaagcac tgacttggca ccaacacgag actgaaaaac cagaccacag    300
gcttctctta aacatcaaca tggccttggg agtgggcagt ggagggacgc ggaaaattta    360
tagcctccta aaaagatccc gtctgctttc ttaaattctt cacctcgctt atttccttan    420
tgctgngctc atcaaaaagc ncaaattaaa tcctantcag ggcatccagg tttagaaaaa    480
ntntntg                                           487

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<210> 6622

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6622

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gctgntgtta ctggggaact tnttgcata naatatttgc atatatgaat ctccagtncc    60
aagcatacnc caaaaatggg tncatttcan atgaaggaca taacanagcc ctaataaaat    120
acanaattga gcttaattta atttaactgn cttgggcaac catcatgcct ggctaatatg    180
ccatattatt tccgttnac acagtacatg tttnggttta ctaaacttg atcaaaattg    240
atcgaaatct ctaagttttg gttaccatgt ncagagaaca attgctcanc atggcattta    300
aataaaacag taatatttta aaaattcaca aatccaatgc acaatttatt ttaaaaaaat    360

```

aaaattttaa aaccttgagg gatgggatga aggctttggg naattaacct gaaaaacnaa 420  
actnaccaaa aacttccaga accaggttgg ttccnggatt atacntttta acncttttaa 480  
agnggactcc tggc 494

<210> 6623

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6623

gagatggagt ctgctctgt catccaggct ggagtgctaa tttttgtatt tttactagag 60  
atggggtttc accatattgg ccaggctggg ctcaaactcc tgactttgtg atctgcccac 120  
ctcagcctcc caaagtgtg ggattacaag tgttggtgcc gtgagctgcg cccagccaac 180  
tactgtgact tctaaaaggt gaattattata aaattctagc ttaaccaatt tccctccgct 240  
tcatcgaatt ttggacattt gaatttcata acaattcatt ttgtttttgt ttcgttttgt 300  
tttgagacgg agtctggctc tgtctccagg ggnggagtg agtggcgcaa tctcagctca 360  
ctacaaccac cgctccgggt taatgagatt cccctgcttc agcctccaag tagcccggga 420  
ttacagacat gtgccaccac gcccaagtta ttttttggat ttttaagtaa agacnngggt 480  
ttaaccatgt cggccaaggg tgggcttnaa cttctgganc cttgnaatcc ccnnctttt 540  
ggaagg 546

<210> 6624

<211> 505

<212> DNA

<213> Homo sapiens

<400> 6624

gagatggagt ttcactcttg ttgcccaggc tggagtgtag tggcatgata tcagcttact 60  
gcaagctcca ccttctgggt tcaagcgggt ctctgcctg agcttcctga gtaactggga 120

ttacaggtgc ctgccaccac acccagctaa tttatgtgtt tttagtagag atggagtttc 180  
 accatattga ccaggctggt cttgaactcc ggacctcgtg atctgccagt ctcagcctcc 240  
 ctcccaaagt gctgggatta caggcatgag ccaccacacc cttttttttt tttttttttt 300  
 ttaaaggagc taagtttctc ctgtatctta aacagagagg cttcatagt tagtcaatgc 360  
 tcatcattga ctcaattcta gggtagcaat ggtgctggaa acaaaggaga tacatcaaaa 420  
 atnctaccta gcagaaaact ntccctatg gatgggcttt aaaacntttn aaaatacctn 480  
 ggnaaggcna atttgaaaaa gggca 505

<210> 6625

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6625

aatagcagtt gtccagtgga attatgtgtt tatttgtgtg attaggattc tctctctctc 60  
 tttcattctt attctctgat ggtgggggcc atgttttcag tcacccttat atatccatag 120  
 tacaacaaca tgtccccac aaaagactaa ttaaaagaaa aagaaactca actatgtatg 180  
 tgtgttcctc tacgtatatg catagggaaa atgtaaaaac tagaataagt atccatttgg 240  
 taagattaac agggatgctt tattttcttc tttttgcttc tgggttttca aaactttata 300  
 aacggttatt ctgtaatcat gcaaaaattc aattaaaaat agatacacgt tataacggat 360  
 tgaattgtgt tccccaaaac ggtgtgtcga agtcctacct ccagtaacct gtgaatgtgg 420  
 ccctcttaag aaaaagagtc ttgcagatg taattaagat gtaagttata cagattaggg 480  
 tggccctaaa tccaatcact agtatcctta aggaaaancn tngagaccgg cacaccccg 540  
 aaggacccag cc 552

<210> 6626

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6626

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gagacagagt ctcaatctgt tgcccaggct ggagtgcagt ggagcgatct cagctcactg   60
taacctccac ctccctgggtt caagtgattc tcctacctca gcctcctgag tagctgggat  120
tacaggcgtg caccaccaca cccggctaata ttttgtatatt ttagtagaga cgggggtttca  180
ccatgtttggc caggctggtc ttgaactctt gacctcgtga tccacctgcc ttggactccc  240
aaagtggaga aatattttat aaagtgaaga caagactcat gcaaatatca gatggaaatg  300
taccaaagat tttattttaac tcaagaaata gtcatatgtt acatttgatt caaaggaaaa  360
atcccataga taaatagaca atagacagat aaatgataga cagattaaga tggatggatg  420
gatggatgga tggatggacg gatggatgga tggatgaata ggggtcaataa gggaatgctg  480
gtgctgaaat ggattaccaa atntngccaa atggtggant nctggatgaa gcttcaaggc  540
attccctn                                     548

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<210> 6627

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6627

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ccaagaaatc ttaatttctt tattgtttga ctttttgact caacaatttt tttaaaactt   60
tttgtttttt tctgaaacgt tcttgttggt atgagccttt tgttttgttc tcgttaaagt  120
cactcgaccc aaaatttggtt tggcatatcg aaaaggagac caaggaggga ggggctgggg  180
cgtgggaggt ggggaggagg cccgaatgga cagaaagttg aggataagag aagaggaaca  240
tagagacagc cagaaagaca tggggaaaga gtgttggaga cagagaaagg ggaaggcaag  300
ggaaagccaa aagaaaccaa aatccagaga aaaagaatta acaagattta ggagcaaacg  360
agttcaggag cctaaggaag ggagtaggag aggaaaccaa gacccttctc tgtaccgtcc  420
cagctggggg ggggccgtca aggcaccagg tctggntagg ttggggggac acctgggctc  480
tggggccggt ttgcactgga cttgcatgat gtccagccca cangggggcc ctgcacacag  540
tttttn                                     546

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<210> 6628

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6628

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gagatggagt cttgctctgt caccaggct ggagtgcagt ggcgtgatct cagctcacca 60
caacctccgc ctectgggtt caagcgattc tcctgcctca gcctcctgag tagctgggat 120
tacagggtgtg tgccaccaca cccaactaat ttttgtatit ttagtggaga cgggggtitca 180
ccatgtttgt caggctggtc ttgaactcct gacctcatga tctgcccgcc tcggcctctc 240
aaaatgctgg aattacaggc gtgagccact gcgccaggcc gtatttacca ttttcaaaaa 300
cttgcagcat atcctactct actcaaaaca gtaagcccat aaactgttta ttgagtttta 360
aatgttttgg aaagtatcta tacttatitit ttacggagta atgctatcta ttcatagtat 420
tactggctca gggaagattc tgcctagaat caatatatca caaagcaacc caggagcagg 480
atgaacctaa gggagaaata tggctggggt tctnctgggg aggaaatgac tgganaatit 540
taaa 544

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<210> 6629

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6629

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aacttgaaca gggaaagtit aatatagaga attactggct ttaacagtga actggaataa 60
tgagggtctc actggtaaaa tgcttctgaa ttgactggaa atccatttgg ggtgctgggg 120
aacgttatit ccagagaggt gcctcagtgg aggcgctgtg tctcctacgc aacttctgag 180
ggctggaggg tgccaagggc agctgctgac cgcctgggtgc ttcaggagct ggggtgctggg 240
gaagccacat gcactgcggc gtccagaggc agaagcacia ccaacaagaa ccacgaagga 300

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ggcgccctttc ctcctataat gcctgttttg tgccctctac tgacaaagct tatccccctt 360  
 caaaaaactg ccaactgaaa aagctgaatt tggaacataa agtcaataaa tccataacca 420  
 gcaatactat ggggcctggg gtgcgctggc ctttantgag tggagtgggg ccnaaggatg 480  
 cttgcatgtc ctgcaatggc acancggggc ttcaccgggg gaaaancatt cctggaaagn 540  
 gtcatt 546

<210> 6630

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6630

gttttttttt tttttcacct ttaaataaaa atactttatt cattcctgat aggttatcaa 60  
 aatgtacact gtttaaccaag taaaaatggg atgctgaaat agttaactag ggcatatttg 120  
 aagaattttg tttactttta aaagaggaaa aatcacttcc aatcttccct tccacacatt 180  
 cctaacaagc ctgcactata cctgcttaaa actgaaaata taaacaatta catgggcccc 240  
 acttcattac agaatgcatt ttcctgtact cttaaaggaa gctattacat tgaagttacc 300  
 ttcctttgcc aaaaactttc agacaagttt actgctcttt atattttgtg taactttgta 360  
 aattatacaa gaaatatagc acacaacttg aattaatcta aaaacacata cacataaaca 420  
 caggataaag tgcaacacaa caggaacatg gtctggcaac attcactttc tnaaaccccc 480  
 ccgaaaggat ttcggagtaa anggaataan gtggtctcaa ggcttgaccc taaatcacca 540  
 gaataggtat tttccccc 558

<210> 6631

<211> 527

<212> DNA

<213> Homo sapiens

<400> 6631

atttaatat ttttatttaa tcttttaatt ttaaaaaaaa acccattaac agtacatttt 60  
 ggtctaaaat ggtccctctg ctgaaatgct aggtgctagc cgtaattctg gctttaaaac 120  
 caaaacccca aatatttaat aaataaaaaat tagaattagt tgccattcta ctccaaacca 180  
 gctagcctag ctgaagagaa gaggggaagg ggaagaggcc agagaaagga ggaggcagtc 240  
 agatcttaga cctgtcgcta cagggacagc tgaaagaagt agcactaaga aagatcatcc 300  
 gagcagtc ccagtagacc cccacttttt ggcagaggta gggtaagggt tatgtgcacc 360  
 ctctcctac cctcaattca tttgtgtcat agaggagaa agttaaaagc tcagctttgg 420  
 tttctggccc aagttanggg agcttagaaa nggtaaccct tgggccagct tttggcagaa 480  
 tganggccca cagatnggac aattanggca caanccttgg cnttga 527

<210> 6632

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6632

agacggagtt ttgctctttt tgcccaggct ggagtgaat ggtgcactct cggctcactg 60  
 caacctctgc ctctgtgtt caagtgttc tctgcctca gcctcccaag cagctgggat 120  
 tacaggcatg caccatgccc ggctaattct gtatttttag tacagacagt gtttactat 180  
 attggtcagg ctggtcttga gctcctgacc tcaagtgat caccgcctc ggccctccaa 240  
 agtgctgggg ttacaggcgt gagtcactgt gcccggcctc aaaaatcttt aataaagaac 300  
 ttgctataat acaggaaga ggataattct gctacattgg agaaaggttt cttctcctga 360  
 gacaagatgg accaagtctc tcaatccgca aaaacaatga aaaacaaaca acgatgtgtc 420  
 aatacttagc attaaagaag agtaattttt ctattttaaa aagttcatta attttctggc 480  
 tattaagaaga caaattcctt aaggattcaa tggattgaat atngggggaa aggaagaaat 540  
 ttaan 545

<210> 6633

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6633

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cagacggagt ctctgttgcc caggctggag tgaagtggcg agatctnggc tcaactgcaac 60
ctccacctcc tgtgttcaag tgattctcct gcctcagcct cccgagtagc tgggattaca 120
ggcacgtgcc accacgcccg gctaaattnt gtattttcag tggagatggg gtttcacat 180
gttggccagg ctaatctcga actcctgacc tcaaatgac caccgcctc ggcctcccga 240
agtgtctgga ttacaggcat gagtgcaga ccagcctggg aaacatatag agaccccatc 300
tttataaaaa atgcaaaatt ggccaaacgn ganggcacac acttgtagnc ccagctactt 360
gggaggctga ngtggnagga tcccttgaac ccannagttg 400
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<210> 6634

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6634

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ctttgagaca gggctcttgc ctctcaccta ggctggagt cactggcaca atcacggctc 60
actgcagcct cgaactcctg ggctcaagt atcctccac atcagcctcc tgagtagctg 120
ggactatagg cacatgccac catacccagc tgattttgt atttttggta gagacggggt 180
tttgccatat tgcctggct ggtctcaaac tcctgggctc aagcaatcgt ctgcctcggc 240
ctcccaaatt gcaaagatta taagcatgag ccaccgcgc cagcctagat tcgtcattct 300
aaactgcagt tagaatcatg gtattccctc ttttaattcag tgtatcctca ttgtctgtac 360
tagggtaaac gtccttcaca cggttcataa ggcctttgta ccacggcccc agtcacgtc 420
tctagcctta ccccttacca ttgtattac aaccctgtgc acgatccatt ctgaacaatt 480
taccaattcc ttaagtaaaa gccaaacttt ncttancctc tgaatctaga aatcctatgg 540
ccngga 546
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<210> 6635

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6635

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agaaatgcc a gacactaatt acaagactga agatttgtga ttattaaagt gataagtttc 60
cagtgcacata tacatgaaat gccagcacat agctaataatc actgaccaca tggactgctg 120
gggacatgga ttcctaaatg ctatgtatgt gctcactttc actttaatgt aagttttaat 180
taaaagcctc attacttggg ctctcctgtg tatatatggc attagtgtgt attttagatc 240
atctcaaaat tggcaaaaac aattatggtt aaaaataata gtatttataa aaatttatat 300
agaacttctc cagtaaattc atcaaaaata ctctgattta tctatgcaga ttgcaggagg 360
aaatagagtg ttttgccatc ttaggactcc acctttgcct ggtactgaaa cttttaaact 420
aaccacagta aatagtcata tacaggacaa gatcagactg gatataagt acataagtca 480
aatacttcaa aatcctttct gcatccaatc tctcagaaaa gattaatttc aaaancctgg 540
atctggctat t 551

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<210> 6636

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6636

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aagggtgttac ttggctggat caattccagc atctaattta gttaagagac tttaaaaagg 60
gattatatat tggagaaaaa ggcagaaatt aaaagtgtat tttcagtctt aatatctcac 120
ataaatgacc ttagaattgg ctatgttagt agttagttaa tgtggtacat gttaaacacc 180
agtagagaaa caactatggt tgtgattaaa tcacttgact ttcctgccag agctagaatc 240
ttaactcctt taaaagacga ctctgggaaa tccagtgttt gtatgtaaaa ataaaaggta 300
agttaattct agattgaggg gcagaggcta tttcttaatc tccaatctcc ttgggaaggg 360

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aaagtattag gaggcagtaa tggagtagaa aggtggggat ggcaaataag agaaagattt 420  
aatgtaacaa aactgttttg cctcttctt aagtaaataa ttattggaat aattagtga 480  
accatcacat agtaatgnn attttgggct tgactaagtg ggtaanggat gncctttnat 540  
tcacctttct 550

<210> 6637

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6637

ggtagagatg aggtcttgct atgttgccca ggctggctct gaattcctgt actcaactga 60  
tcctcccacc ttgaccctc aaggngctgg gactacaggc ttgagccact gcgcccagac 120  
gaggaatccc gctcatagga gggttgttgt gctgtgagtt gtcaaattgc tcacagggt 180  
ggcgcctcag gctaccatta aagtgttgcc tcagccagta gggataattg agaggtaccc 240  
agagctatag cttcaagttt ggtctttgcc agtgaatcca aatgcagggt tctccctgtg 300  
tgctcagctc gtgctccac aggtttcatg gcttctcgt acacaatgcc atgcctattt 360  
gaatcacact agggctattt tctgggaaat gtgagcttta ttcaaacag tgttttttca 420  
gagcttattc tctattgaaa tagtggtata aatgggagct gngttcttag agagacccn 480  
aatggnetca tagatcataa agtaatngag aaaagttaa tacgcttggc atgaacaagt 540  
n 541

<210> 6638

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6638

gccaatgcat tttcagctct tgggatgctc ttcacacat tttccatcg tttctgcgat 60

gcctttgtgc cttattgtta atgaaagaca atctataaat acagaaaagg ccatatttta 120  
 aggtatttctc attggacaag caaatatctg taacataata gagtactcga aacttaattt 180  
 actatcctat ttctctaata acaagtctca gatctaagag ggaaataagg aagacaggga 240  
 acaatatcaa acatgctcat caaataactc aaagcaaaca ggctaactcc agtcatttgt 300  
 taacaaattt taaggatcgt ccatatatac gtgtggcgga aagcatgtgt ccaggcaatg 360  
 caaacctgca agaagaggac atgccctctg aggtctgacc ctgccttcat ttccagcctc 420  
 agctcacatc acttttacctc tcgnggtctt tgaacataca ttggcctttt ctggctctaa 480  
 gcttttaaac attacctagc atactcttaa cttcagcttt tcacttgcct aatccatent 540  
 acccttttgg ttca 554

<210> 6639

<211> 493

<212> DNA

<213> Homo sapiens

<400> 6639

gacataagtc ttgctctgat gctctgatgc ccaggctgga atgcagtggc gccatctcgg 60  
 ntcactgcaa cctctgcctc ccagggtcaa gcaattctcc tgcctcagcc tcccaagtag 120  
 ctgggattac aggtgcccac gaccatgccc ggctaatttt tgnattttta gtagagatgg 180  
 ggtttcacca tgttggtcag gctggctctg aactcctgac ctcaggatgat ccaccacact 240  
 tggcctacca aagngctggg attacaggca tganccacca cacctggctg acttttagtnc 300  
 tttnttatgt gatgaatcac atttattgat ttgccgtatg ctgaaccaan cttgcatccc 360  
 agngataaag cctacttnga ccatgggtgga ttagctattc tgatnttact gctgggattt 420  
 gggtttgnct cnttatatct taaaggattt ctgcctttan ttinancctta tgggataact 480  
 gggncataata ggt 493

<210> 6640

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6640

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cccttgagac agagttttgc ccttgttgcc cagctaaatg aagtgatggt ggatatgtaa 60
taattataca tctatcaaga ctagtttggt aacttaacaa atctcagcaa tcccttactc 120
ccttcataac agaagtgcgc agaatacaac ttttctaaga gagtatctaa ggaaaatgtt 180
aaagtgaaca actgaatcta agtccttctcc ctgacagaaa tgcttagaaa ggagtaaaag 240
ggagcagcat tgtggcatta ctctagactc agggaatccc tgcaactggt ggaaaactcc 300
tactcaaaaa gatgtataaa catgtacaag gatgttttgt tcttgatagt aggggctaaa 360
atttctggac accatggtag agctgctgtt acagagaaac taagtgccat ggatctgttg 420
tttcagggtga agtagaaaaa gaatgaattt agaaaattgg aggttcacgt tagaaggttg 480
tgtgttctga acaaaggaat gaatgnctgg tgaagaattt atatggggng aatccagccn 540
caaagctngg c 551
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<210> 6641

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6641

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attgtagaga cggttttgcc atcttgccca ggctagtctc aaattcctgg gctcaagtga 60
tctaccacc tggcctccc aaagtgctgg gattacaagc gtgaagtacg catccagctg 120
gtatttgatt ttaaaaatca tttttccaat tgtccactgc atatatatag aaatacaatt 180
taattttgta tgttgacctt gtattcttgt gatcttgcta aattattagt tctagtagct 240
ttttttaga ttcattagga ttttctacat acacaatcat gctatttgca aataaaataa 300
tgcttttata cagtttgga tttactgtgt ttccttaatc taaaaatgtt atgtctttga 360
ttctggaaaa tgctgtgctc ttatctcttc agttattgct tttgccccat tctcttaatt 420
atcttttgct agaactctcc tctgtaacct cacgcctctc aactttncct taaatttcta 480
cttttccatt ttctggggtg cctgggaata atttctagat tatcttccat ttactaatct 540
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n

541

<210> 6642

<211> 287

<212> DNA

<213> Homo sapiens

<400> 6642

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caggagggtg tagatccttt atttcctgca ccacacgcac acaggctgac aagcaatagg 60
agattgagag gtgctgtgtg aaggggggca ggtacctgca ggaggcctca gtcccagccc 120
ccagctattg aggaacaaag gtgtgggaaa gggcanaaca tggaagagga agccaggggc 180
agggaggggg ggatcaagac agagggggana ggggctgggc catggatggg agcctggaca 240
ccccagggc actggcanaa gaaggagggt nggganaggn naccnc 287
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<210> 6643

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6643

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tattcataat tgaacaatga ttcaccttta ttattcttg nttaatgtt ctatcattta 180
tctattgatg atgaacctca atctattaat ccaaagtaag aatatgatct ttgcacattt 240
ctgatatcta tccaattatg ttttctgttg gacctcanag tttcagacac gtagtattca 300
tcgtccatga ctcaaagcc accagtggtc atcattggtc catgtttagt agaggtgggg 360
tttcaccatt ttggccagac tggncctgaa ctctgacct ganggggatc caccacctn 420
ggccttccaa aggctgggat tacaggcatg agccaccaac ccggncaggg agacagttct 480
naataccacc ttaaggccct ttctggtaaa ngctacatnt ggataagtct gggtgggttn 540
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<210> 6644

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6644

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gtatcaagca tattcctctc ccaaacttca taaaccacca ctatgttact caagctagaa   60
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aattctgtca tttgtatctc aaaaatatat cttgtatcca ttcctttatc cccatttcca  180
cacacatcac cctagataag caagcatcaa atctcaccta gagaagtcct tcacaatttc  240
tagtaagcat acaaattacc tggggatctt gttaaagtgt acattctact ttagtaggtc  300
tgaagaaaga ccagagactc atcttttctt acaggtcttc agatgacatt gatcctgcca  360
ttccatggat caccatttta atggaaggtc tagattacct caagagtatc tgtattgcag  420
ggtccaattt catcctctcg cattctactc tncaccaagt agntagaggt gatttttaag  480
aaaataaaaa gccgattttt aaatatctgg aaaataagct ttatttnacc tcaagagaan  540
ccaacttttt tcagnng                                     557

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<210> 6645

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6645

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gttctatagt ataattcata tatcacaaaa atcaccattt ttaagcatat atttcagtgt  120
cttttaccat attccaaaag ttctgcaacc atcaccacta cctaattcca gaatattttc  180
ataatgccaa aaagcatgcc tgtacctatg ggcagtcact ctccaattcc ccacttctta  240
cagtctctga caaccactaa tctactttct ctatatatag atgtacttgt tctgggcact  300

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taattcaaca aatggctctg ggacaactaa atatccacat gtaaaagaat caagttagac 360  
 tccctcctcg cacataaaaa ttaactcaaa atggatcaga gacctaaang taggtggtaa 420  
 aattataaat cacttagaaa tagtaaactt ttggaatggg ggataagcca aggtttccaa 480  
 atntgactgg aagcccagcc accaangaaa aaataatggn ttcacaaagg tnaaacantt 540  
 ggggtggaaag n 551

<210> 6646

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6646

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 gacaatttat ttctatataa cagggcatat actcccaatt tgctgctact tcaaagagca 180  
 ctttttagact catctaactt ttacaggctc tttcaagtga agttcatgga gactagttat 240  
 taatccatat aagacaaaag aagaaagaag aaatataacc aaagcaaagc attctgttaa 300  
 aaaaaaaagt aataaaagct aaccacagaa tatgtcagtt ttggtttgca gacaaccct 360  
 gagattatat aaaccaaagc gttaagacac caaatagtca gaggtaaatt actaaggaga 420  
 attacattca tacatggngn catagcactt atcttttana anggactttg gttaccattc 480  
 caaaagcggg tactggctng gatttttcag gaaaatagng aattttaaga aggttcttaa 540  
 aaaatatacct tttccttttg naaag 565

<210> 6647

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6647

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 tataggtgcc tgccaccacg cccagctaata tttttatatt ttttagtagag acagggtttc 180  
 accgtgttag ccaggatggg ctcgatctcc tgacctagtg atccgcctgc ctcggcctcc 240  
 caaagtgcgt ggattacagg catgagccac tgtgcccggc caattttaat tttttctaaa 300  
 atacataaac aaaagagcat gatttctatg acatcctcaa aatgtattgc tcctcttgcg 360  
 gttttatcaca acctattttc taaagctatc ccttagcaga agaaagcctt acatatttca 420  
 tctgattgat cctgatatat caggtangaa ataaacagta ttatgggttna attctagact 480  
 gtattaagta agccacatnt ggaattggaa cctgggttnaa tnnaaagccc aatcactggg 540  
 caaaaatcct tttnt 555

<210> 6648

<211> 562

<212> DNA

<213> Homo sapiens.

<400> 6648

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 caagctccgc ctctcgggtt cagccattc tcctgcttca gcctcctgag tagctgggac 120  
 tacaggcgcc tgccgccacg cctggctaata ttttttgtat ttttagtaga gacgggggtt 180  
 taccgtatta gccaggatgg tctgggtctc ctgacctgt gatccaccg cctcggcctc 240  
 ccaaagtgtt gggattacag tagtgagcca ccgcgccag cctacatgct gttctttcta 300  
 accaaaatat actcccccg tttttcacgc agatagcaac ttattatcct tctgaatacc 360  
 acagccaagt ctatctcatc tccttgccca attgccacca tcaagttttc tatctnaggc 420  
 tggttttaat ccttttcggg acatttatca aaaactggaa tgtgggtacc taacttnaat 480  
 agccatnatg ctctcttctt ggttaactgg aaccgaatc tgggttnggg nattccattg 540  
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<210> 6649

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6649

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caagctccgc ttccagggtt cagccattc tcctgcctca gccgcctgag tagctgggac 120
tacaggtgcc tgccaccacg cctggctaata ttttttttgc attttttagta gagacggggt 180
ttccctgtgt tagccaggat ggtctcgatc tcctgacctc gtgatccacc cgccttggcc 240
tcccaaagtg ctgggattac aggcgtgagc caccgcgcc ggccaatgtg atgtcttcat 300
tcttgttagt ggcagaatac acgagcaatg tgggacgggt ctggggaagt tggaaaagaa 360
tctctccctc atgctggagt aaaagtcnat tcccactccc aagctatcac ccaccacaca 420
actggcacca caagggcaac ggntnttgcc aagaagcnga agcanactcg nggtggnggg 480
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<210> 6650

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6650

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tgtgcattca gggcctctgc aggcctcaca caggaggtct gaggggatag tgtttaagt 120
agcactcagg ctctctctga ggaaaagaaa tgaccaaagt gcagactttt attactgcca 180
ttcctgctcc taatgggagc aggagtcaaa aggaaaaaca aattaaaagg ggctaattgag 240
aaaggaggag agatgagaca gagagtgtga agggctatgc cgctggcatc tcataaattc 300
ttattgagaa tggcacaggt attaaaaagg tttctgggta gtctacgaga aatgtcaatt 360
attatctcta ctacaactac ttacatatat ctaatgggga aaagaagtgg ggcttaagt 420
tcaaaatgga ttgggagacc aaangagaa ctncccttat taaattccac caagggtgaa 480
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ggtacctggc ccantcctta aaaggatttg nggccaatgc ttgcactttg gtggccagga 540  
aaatcttttg accccatttc ctc 563

<210> 6651

<211> 519

<212> DNA

<213> Homo sapiens

<400> 6651

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caacctccgc ctcccgggtt caagtgagtc tctgcctca gcctcctgag tagctggggt 120  
tacaggtgcc caccaccatg cccggctaac ttgatcagc ctttgatgtg tcttgggact 180  
gaggaagaca gaaggagtca aagattaggg taatatattg agcccaaatt actgaggaat 240  
aatacttttc ttcgtaacaa cggggaaatt aacaaaggaa gctatgtttt aggttacagt 300  
gggatatttta aatgtaaatt atggagggag ataactgaac taaatttagg aaagagaaca 360  
caactataaa ttcagacttg caagtcagcc ttatggaagt gaagtagaac aactgagtta 420  
tgaggagaat gtataaatgc aggaaggagac tctattgact aataaatggg gttcataatc 480  
tgcacataaa tgatgagact taaaaggnaa tctgctntg 519

<210> 6652

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6652

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gtattataat ctatttagca acatccctgg cctctaccca attcatgcta ctagtatccc 180  
tctaattgtg acaaccggaa atgtctctaa gaattgcaa atgcctagt aaatcatcct 240

cgctccactt ttggcaacca ctgtttcaca tgatacctgt ttttttgagg tgcttttagta 300  
 ttctgtgatc ctaagaacaa gggtttcatc tcctgacata acacatagac attactaatt 360  
 gaactcttcg ctcctaaggg atgttaccta tggggaatca ggagctggaa atagaagatg 420  
 gtatacatga ttttgattat ttctccattc cttttaattt tgggacgtcc ccttaagtna 480  
 aaccaaacca aactgttaaa atcccttaac nctaattttt tcatat 526

<210> 6653

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6653

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 cataaataac tcagaaaagt catatctttt attctggaac tctactgacc ttatctgtat 120  
 aaagaacctt gttttataag aaaaaggggg tgaggaggagg gaagagagaa atgcgtagac 180  
 tgaagaggaa tcaaagctca ggattcttca caagtgcagc agcttccaca gctggcccag 240  
 aggatggtag ttgcatatac caggttacgc taacctcaac aagacctagt tctcacacac 300  
 aaatgtgtcc agtggataaa acctcagctg cagaaataga ttttagcaat atccaaagac 360  
 attccagggt ccggtaggaa gaacaaaagt atggcaaaat tgaaaactac catggacttg 420  
 gcagcatcca agggcatcac cagggggggt ctttcatgca tgcctagagt cctghnaaact 480  
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<210> 6654

<211> 348

<212> DNA

<213> Homo sapiens

<400> 6654

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caacctccac ctcccgggtt caagtgattc tcctgcctca gcttcccaag tagctaggat 120  
 tacaggggtg tgccaccacg cccagctaan ttttgnattt tgtaaagaca gcctggccag 180  
 catgngaaa ccttgtctgt actgaaaata caaaaaattg gctgggcgtg atgngcacg 240  
 cctgtaatcc cagctacttg gaagggtgag gcaaaagaat ctcttgaacc ngggagacgg 300  
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<210> 6655

<211> 512

<212> DNA

<213> Homo sapiens

<400> 6655

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 aatgttttca agcaagaaaa gcctctttta taaagaaaat aatgngttta cacttacctg 180  
 taaccattct atctattctg tctccacttc tttaactata aaaataaatg tcatcataag 240  
 ctactcttga cccaaggcac tcatggcttt caatgctaag ggttctgact attctcaggt 300  
 gaccagaaaa tacataacac gtgtcatttc taattctgtg ttagcagtga ctgaatcgcc 360  
 attaccaggc agtggacaaa gtgttaacca cacactcccc atttccatt tgattatcct 420  
 tcggtcctca caagttgaca gtgggatcaa ttactccctt ttatggatag agnaaggtaa 480  
 cccgnggaag tnttacnttt nccagnggga nt 512

<210> 6656

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6656

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tgtttgtcaa ctgtgaactt cacactacat tgtctaagga tagaaaattg atgggtatca 120  
 ctctgtcaga aaatcctcac caagaagcca attcaaggaa tatgaaattg acaagccttt 180  
 caaacaaga tgtgttcgga cttcactgat gcgatggtag gtcttttggg ttacaataga 240  
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 gctcacgttt gtctgggcat tgcagcactg cacacataca tgaattaagc aaagcatcgg 360  
 aaagtattga cacatgagac taaaataaat aagagaaacg agctgctctt tatacctaga 420  
 aatagctgga aattactgaa aaaaattaaa ggtgccaaag gtttcatttt aaccccatga 480  
 attggggatg aaatcccatt tctcttacta tggcaggact gnatgccata 530

<210> 6657

<211> 521

<212> DNA

<213> Homo sapiens

<400> 6657

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 caaactccac ctcccagggt caagccagca tccaagcag ctgggattac aggcgcccgc 120  
 caccatgtca gctaattttt gaatttttag tagacatggg gtttcaccac ttgaccagg 180  
 ctggtctcaa aattcctgat ctcaagcaat ctgntcacct canctccaa actgctggga 240  
 ttacagatgt gagacaccat gccagcctc ctaacagtta tttctaaccg taaattccca 300  
 caggtacctt caactcaaaa tatctcaaac tgagctcatc aacaccctct agccacagaa 360  
 accggctttt tcaaccatgt attggctttg accagcatcg ccatccaccc atttgtccaa 420  
 accacatntg aagactatct ctctctntca ccaagactag gtaaattctta ancttttaaa 480  
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<210> 6658

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6658

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gccgtgaacc acatctcagc caatcttccg caaagaaatg tacccaaaaa cttttctgta 180
aattcaggaa ggtgatccac accttcaca ttttgtttg aaacaatgat ggtattttta 240
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ctgtgaggag tgattttgcc aaacttaagt cagtagcact cgacttatat ctgcttttag 360
tctgcggtgg caccacgctt accaaggcac agtatccct tgctatccct ttccttctgn 420
gcattttttc tttctgnatg ccttaaccac acttnttcac ctggatacct ggagcttatt 480
aagcnttaan tccccctngg tattactggg gaatggaann ttctggttt 529
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<210> 6659

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6659

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atccaaaaag ttctgaattt ggaaaatcat ctggccccag cagttttgga taagggattg 120
taaattcagc tttctaaaag taaagagctt aaaggaaatc agaaacttat actgacaaac 180
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tatctacca attcagctaa taaatttcat gttattttat taagatgact tatacacata 360
aacagttacc tctcatgtaa aacaggcacg tatctgtaat actttaaggg gtgaccactg 420
atcactgggt cacaagccct gaaaatatgg tttaaggccc agancatgan aaanggctta 480
aggagtnagt gangatgggc atccctactt ctttnggtca ctcc 524
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<210> 6660

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6660

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caagtagctg ggactacagg cgtgtgccac acctggctac tttttaattt ttttttgaga  180
taaggtctat gttgccagg ctggttgtga aattctggga tcaagcagtc ctcttgcctt  240
ggcctgccaa agtgctggga ttacaggctc tttccttact ttcttttttt tttttttttt  300
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tcggctcact gcaagctccg cttcccgggt tcacgccatt ctctgcctc acctnccgag  420
tagcagggat cacangtgtg ccgccactat gccagctaa ttttgattt ttggnacaaa  480
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<210> 6661

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6661

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gcctggccaa tttttctgta tttttagtag aggcgggggtt tcaccgcgtt agccaggatg  180
gtcttgatct cctgacctcg tgatccgccc gcctcagcct cccaagtgtt gggactacag  240
gcataagcca ctgcgccag cctatttcaa tcatttcaaa tacagcaatt cccaggagga  300
gatcacactg ccctgactgc ctcagcagag tcaactgaac ataaccatca gctctctttg  360
gtggcttggt catcaggagg aacttgatcc atgacgttga tgganagggc cccgaggaag  420
ggtgactgtg ggcttcanaa gtcaagggtc cctgtgaaat gccaacctt ctttgggtct  480

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tntaccaagt tttctgggca tggttctggn ccttttctng gccatnggaa n

531

<210> 6662

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6662

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 aaggccccctt atcttttgtgt gtccgagaga tgctgttcct ttttggggac actgaaagtt 180  
 ctgagtccaa tgaccctgat ttggctatgg aagggtgcaga tggcgagggg ggctcctcag 240  
 gactggggaa gaacgatggg atcctcatca gcttggatatg tggatgggaa acctgtacat 300  
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 cctggctgaa ttcaactggg tgtgctggct gggacttac ccacctctgc gaactctaca 420  
 gagctcacgt ctgtggactg catanagctt ggaaggtttc attagctggc cttccccaaa 480  
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<210> 6663

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6663

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 tacagtagga gccactgngg ctggctcctt tctttctggt ttgcgtgcct tttatttctt 180  
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 gtggatatcc ttgncttgggt tcttttcata gaggaaaagc tttcaacttt tcatcattga 300

gtatgatggc ttttattgna gtgaggnaca ttccttttat acttaatttg gtaaacgttt 360  
 ttatcatgaa aaggtattga attttggat gntttttctt catctattga gatgatcata 420  
 taattattgg ctttcatata acagttattg atttgcataat attgaaccct ttttgcattc 480  
 cagagatnaa cccncttaaa aaaaggggaa ngaacccttg ggatgccn 528

<210> 6664

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6664

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 ttacaggtgt gtgccatcat gcccggtttt tttttttttt tttttaatgt attagtagag 180  
 acggggggttt caccatgttg gtcaggctgg tcttgaactc ttgacctcag gtaatcctcc 240  
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 attttcttgt ctttttagta ggtgtagaat ctacagtaat gtcacctttc tcattttgat 360  
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 tttcattaat ctctcaaag acccagtttt ttgnttcatt gatcttatct attttcctgg 480  
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<211> 549

<212> DNA

<213> Homo sapiens

<400> 6665

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 gcatgcacca ccatgccctg ctaatctctg tatttttagt agagatgggg tttcaccatg 180  
 ttggccaggc tggctcga ctcctggact caagtaatcc acttgcctca gcctcccata 240  
 gtgctgggat tacagtaatg agccactgcg cctggcctac atcttcttat aatgactaag 300  
 tttggaagta agagaaaaaa ttgaaagcca ttctgtctaa taggtactgg aaaatggaaa 360  
 aagaaaaaaa gaaaaaaa cttagataga tagattccag ggacacaaaa ccagtgttag 420  
 cataaataat gacagcccag atttatttgn acttaaaaag gnatacaggt aaatatcatg 480  
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<210> 6666

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6666

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 agaccaggaa agaataataa tctgctggtg aagtcgcaga atggatttga ggtaagaaat 180  
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 cgttacaaat aacatttttg aatccctatg aactaaatc atcagatagg caaggttgat 300  
 ttttgcctt tctatttgca aggtggaaaa atatagttca ctctatagat ttcttctttt 360  
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 gaagatggcc actcaggagc cgtagattca agttgctctg attatacact ccaactacca 480  
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<210> 6667

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6667

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ttacagggcat gcaccaccac gcctggctaa tttttgtatt tttagtacag acgggggtttc 180
acaccatggt ggccaggctg gtcttgaact cttgggctca agtgaccacac ttgccttagc 240
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taaatacactg ttttcattct tttcaagcat gcaaaattaa aaaaaaatg gaataacttt 360
caattataaa agctgtcaaa cagaaatcct ttaaaaggct aaagacctat gtaagtatta 420
aatagcaata tataaattat taatgattaa tatctcaaag aaaattttca gcaggacatt 480
actttcatta tactcttcag taatactgna gcacaacact tggnatgccg ggttccaang 540
gnaann 546

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<210> 6668

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6668

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ggtctttgat gatttgata atttagattt tgaaatgggc tctctgatta ctcagccaac 60
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aagaaaaacg aacatgggtc gtgccttagg gagcttatat agacaaaagc aaacaaataa 180
tcattaacct ttatTTTTGT aggtgacaaa tgagcaatgc ataatatgca aaatctgggt 240
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tgtattccaa aaataatttc tgaaaatcac aggaaagaaa acttttgtgt atttattagc 420
agaggcaagc tatactatca attggcacct caagggcaca aaattgcctg gactacacct 480

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tcaagtcaaa atttctacct cagaagcaat gatgttctga agatctctaa tttttaatgg 540  
gga 543

<210> 6669

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6669

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gctatatgtg actagtggct accatataaa acatttccat cacaaagttc catttatcag 180  
atcttatata gaaccttgaa taaaatttaa tagacaagtg attttgtatt taacatttca 240  
cctttattga atgcctataa ggccatttga ataacggatc atgtacaaag caacaggaaa 300  
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gagaaaaccg aaatcagaat tactgacact ttaggccagg catggtgcct caagcctgta 480  
atcccagcat ttagggaggc caaaggatga gccccacgcc caggccaagt gaccnttnac 540  
naaa 544

<210> 6670

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6670

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tataggcgcg agccaccgtg cctggcctgt tatctttgcc ctgggacaat ccctttatag 180

tagttgtcct tttagagaac tgaccagaac tccctccaac accttctctc tgtcccagcc 240  
 ctcagaatct aagactgggt gactaatggt gttaatttat atttcacttg ccaacagtcc 300  
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 aaggttctca gctcgggaca caactttggg caggtcacag ggancagaa caatggggca 480  
 aagaaagtgg agtgtggggc aacaaccang acangggctt gnaagccaaa aggtcgctgg 540  
 ncaca 545

<210> 6671

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6671

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 gaacgcagtt gttcatctat taaaacatag tctagacgat gagaaataac atcaattcca 180  
 aaggaggctt gaaaggaaca cactgaaata ttgtggctat gataattgga ggtacgatgt 240  
 gttcattgtg tgtatcatgc atgtcagaga ctgttataag tgctttacat gtgtcaatca 300  
 cttgggtccac ataagagtcc tgtgtggtag gtgcttttat aatctccatt atttgaagtg 360  
 agaaaaggta agaaacttgc tgaaggccac ttagctagtg agtggagag ctagaaaagg 420  
 aggtgagaga gtctgtgtca ggggcaagag ctctactgct canaggacng taaaccttta 480  
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<210> 6672

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6672

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tacagacatg tgccaccaca cccagctaata ttttgtattt ttagtanaga cagggtttca 180
ccatatttgt caggctggtc ttgaactcct gacctcgtga tccgcctgcc tcggcctccc 240
aaagtgctgg gattacaggc atgagccacg tgcccagcaa aatatagggt actgtttttc 300
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aatattaaat agagaagcat caataaatga ccaatttggt aaactatgat actgngatca 420
ttgttagaac tagttttaca tatggggaga gagtntattc caaaatacct nccctacttt 480
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<210> 6673

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6673

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aaaaagctct ttggagatga gaaatctgag gctcggaat taactctctt gtccaaggtc 180
aaatagagtg gtgaaaacta gaagcaaacc tgtctgattc atcctatggc tcatttattt 240
taatacataa aatacgaatt actgctttta taagaagtaa gatggcagta ccgttatcct 300
gaaacttcta aggccgggcg tgggtggctca tgcctgtaat cccagcactt tgggaggacg 360
agacaggcgg atcatgaggt caggagatcg agaccatcct ggctaacacg gtgaaaccct 420
gtctctacta aaaatchaaa aaattagcca ggaagtgggt gtggccgcct gtagtcccag 480
ctactcggga ngctnaagca ggaaaatggc ntgaaccna gangcanaac 530

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<210> 6674

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6674

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gagacagagt ctcgctctgt cgcccagcaa cttcaaatgc cactctcctc tccagaactg   60
caggcctctc ctctaactgt gtggcataag tcgcacagat tcaagctaac accagggctg  120
gtgtgtgctg gaaatgctga ccctctccaa gggtcagctg tgcaacactg gtgaagaggt  180
agtggcagag accccatttc cacctaactg aaagtagagg agcccaccag tgcctctcgg  240
aatgataaaa cccttacttt cttctgtgag agcactgctg aggccattca aagatgcctt  300
tttttgtgaa accctttagg aaacagaaag gttgacttat ttgccatgta aacccaaaga  360
agttctctgc gtctggatga agccccacg gtacttggta tcacaccttt tgngttgcaa  420
ccctggctct gtgaagaaac aagcccaccc ctggnatgac ggctctntgn tacanggcaa  480
acagaaggtt tgggcaatcn ngtagaactt gcanccttag aacagggacc ttgaacctgg  540
a                                                                    541

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<210> 6675

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6675

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gggactgtgg gtgcatgcca ccatgcctgg ctaacttttg tagtttttgt aaagatgggg  180
ttttgccatg ttgcacatgc tggctctgaa ctctgagct caaacgatct gccacctcg  240
gcctcccaga atgttgggat tacaggggta aaccaccacg cctggcccca ttagggatt  300
cttagcatcc acttgctcac tgagattaat cataagagat gataagcact ggaagaaaaa  360
aatttttact aggctttgga tatTTTTTt ctttttcagc ttatacaga ggattggatc  420

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tttagttttc ctttaactga taataaaaca ttgaaangga aataagttac ctgagattca 480  
cagagatacc cgggatnact tccttgntca attcagnctt tancacctta aaaaccttta 540  
aagccctt 548

<210> 6676

<211> 523

<212> DNA

<213> Homo sapiens

<400> 6676

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ttgacttccc tggctccagt gatcctccca cctcagactc ctgagtagct ggaaccacag 120  
gcacatggca ccatgcccag ctaatgtttg tattttttgt agagacaagg tttggccatg 180  
ttgcccagac tggctttgaa ctcttgagct caaaatgac tgcccacctc agtctcccaa 240  
agtgccggga ttacagcat gggccgccgt gcctggcctc ttttggcttt ttaaagtgtg 300  
ctctaactgt gtttccatcg gacagacctg ctctaggtea gccttgtcca acagaacttt 360  
ctgtgatgct ggaagttttc tatatctgtg ctgtcccaca caattgctac taagttacat 420  
gtggcccgtt gagcatttgn aatgnggctn atgcactgag gaagtggaaat cntcatttta 480  
attaacttaa atgaaatttc anttnaacag ncccctgggg cta 523

<210> 6677

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6677

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gaagccagag tcattgcaaa ttcttcagaa agcagtgate ttgagagggc taggaatcac 180

agtgacaga gcagccgtgc atccttccat gacaacagga aggttaaggt gggtcacg 240  
 attctgtgct gcacactcag agatacctcc tcctgcaagg ggtgggctgt gtcctctgtg 300  
 aaacactggt gaggccttca gctaggggtga cttcaatccc cgatttctgt ttatcttgga 360  
 cttttcgctt cttctgctgc tgtttgctt ctcgttgctc tgggatttct ttgctggatt 420  
 ccagactttt gctgtcaggt attgcttctt tactttctcc ttattangn tttttcttt 480  
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<210> 6678

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6678

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 tacagggtaca catcaccacg ccgggctaatt tttgtattc ttagcagaaa cagggtttca 180  
 ccatgttggc caggctgggc tcgaactccc aacctcaggt gaccacactg ccttgaagga 240  
 ttacaggcgt gagctaccac gcccggttg aaccgttttt aaaaagcatt tctggccggg 300  
 tgtggtggct tacgcctgta atctcagcag atttgttct tatgagagaa tttactaca 360  
 agtataaact aaggtaaga tgactttaag gaatgtactt ttttgagat ggagtgnac 420  
 tcttggtgcc caangncaat gcaatggatg gcnagatctc ggnttactgg aaccttcggc 480  
 ttcccggttt aagcgaatct tctggctnan 510

<210> 6679

<211> 489

<212> DNA

<213> Homo sapiens

<400> 6679

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 gctctcccct cagattctgg ccaactggga gggttaagcta aatgggacga gcagggtgtgc 180  
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 cctagggaac tgaggaggtt atctgggggtg gggtggggag agcccaggtt gattgaagat 360  
 tctagtgaat gccccacac tgggttcana tgctatgcct gcctncctnc ttccctctcc 420  
 cttctaaggc atncactgtg gggaagtgat angncccaa gttcaaggaa aggncccaag 480  
 tcttttgan 489

<210> 6680

<211> 501

<212> DNA

<213> Homo sapiens

<400> 6680

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 ctaaaaacag atcattaaaa caacaatagc gatttgactc tgtattttat ttcaatgagc 180  
 acacttcatt cattgtctgc aggaagacta ggctaggtct caatagacaa cagtcacagt 240  
 tactgagcaa gtaaatactc cacacttgcg tgccctcctt tatttcttga tgtcttcagt 300  
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 gtacttccgt tcgatgaacc gcttctgatg ggccatctgg ggaaaattat attttcaaa 420  
 gcgcattcat tgctgntncc atttncgctt gctgnaaact tgggcnttcc cacaggctat 480  
 tctttctncc ttggaatnaa c 501

<210> 6681

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6681

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ggctttccgt tcgcttggtg gatcttcctt catccctttg agtctatgtg tgtctctgta 60
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gtctgtgtct ttttaactggg gcatttagcc catttacatt taaggttaat attgttatgt 180
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aatttggtt ggatatgaaa atctgggttg gaaaaacctt tcntttaaga atggtgnaaa 480
attggcccca ntttntttt ggcttanaaa agtttctgct taaaaaaact gctggtaanc 540
cgaactgg 548

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<210> 6682

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6682

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actgtgcaca gacgagttaa caaattaatt ttcctaatat ccctcaaaca atatctgtga 120
agattattta gggagaagtg aaaatagaca aaaccaatt atccaacatc acatcaagtt 180
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tttcagcaag tatttccttc ttgnaaaata gtagggattc anggnaaatt acttngnacc 480
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c

541

<210> 6683

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6683

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ctcttggtgc ttgagaaatt tcagagagtt gtttagtattc attgctgcaa atttagatca 120
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aaaccctgac accatctgtg gaaatgcttc cgaggtcatc tctcttctgg ccatttctgg 480
gcaaccgggtt tggncata agggaagatg aaccacttnt gaggtccggc ttgngtgaa 540
gggggn 546

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<210> 6684

<211> 507

<212> DNA

<213> Homo sapiens

<400> 6684

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aacagtacca gtaaattctt taatgttgtc agagtaaag tctttatgcc gctcacagaa 60
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atataaaact catcagagag ctgccatttt aagtggaaat ggtagcaacg gattatTTTT 180
aaatggccac ctcttttaaa ttatgcctaa ggttgtaatt ttttgaattt ttgtaatcag 240

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accttgatga tgaccgtgag cagtaagata taaataactc ccacatgctt agcgttccaa 300  
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 acctagaaag actcttctgc agttcaattt gtaaaattta gcagcaatag aatagactca 420  
 taccatcaca ctagaggaag gncagcttag aactaagtcc atgancatca gangagaaat 480  
 ggttacnggn cnttaaagag naagttc 507

<210> 6685

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6685

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 atacagaata catataatat gcaagttacc tcaacagcaa aggagaagga gtagaatata 180  
 gtttttgaag ataaaatctg gtcaagtgac aaattttgtt gctcaaaatt tctagccctt 240  
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 cattttaatg gaagctgctt tttggaagaa ttctttttta tttcacattt ctttgatgtg 360  
 ccactcaatt tttaaaaaaa ttatatattga catatgtgca tgtggggatg gggtatggat 420  
 gtatacacac tttaaaaaca ccaaaccctt ggttataagt anaagggtca tgctggnttt 480  
 taaattaata ttaggggaat ttaagctctt ctctggggg gctaaggnaa ctttgggtct 540  
 caa 543

<210> 6686

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6686

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ctgtgtcctc ccgggagaga gtaaacagct tcccaccgtg ggagcgctgg gcacgtcagt 180  
tcacacgctg gcaggtccat taccaggagc tccaggcaca gagagtcctg ggctggccca 240  
gctgctgcgc tctgctttct ccaagcacca aggtgcagtt atgctaccga tgacccttga 300  
aagtatgagc aattcaccaa acaactaaat cacaatgact cttctgtctc tagtagctgc 360  
ccgcctttc ctcactggta ttcatttcaa gtcttaatga agtctagcca tcaattaaaa 420  
atagagtaac cttgcccttt cagcatgaaa ctgnnggggt ccntctgggtg gagtcntata 480  
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<210> 6687

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6687

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caaccctgc ctcccgggt caagcgattc tcccacctca gcctcctgag tagctgggat 120  
tacaggcatg tgccaccacg cctggctaata tttgtatatt ttagtagaga tgggggtttc 180  
accatgttgg ctaggctggc ctcgaactcc tgacctcagg tcatccacc gcctcagcct 240  
ccctaagtgc tgtgattaca agcgtgttcc tggctctctt gtatctgcga tataactggg 300  
aactctgcct tagtcctgag caaggctttc tatcaggctc ccaggccact cagttacggt 360  
gttgagagatt ttacctcaa attatgctca atgcaacact tnccatccat gcttctcatt 420  
ttccagtgn ctttgctgnt cttcgcccc ttaacttttt acgaagaaaa ctttaataatt 480  
tccttcattt aanaaggcct gggggatctt aaaantttcc cagaagcccc ttggnattc 539

<210> 6688

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6688

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agtaagacac aaaaacattt ccgatgctct cggcatgaag aattggtatc tggagagtag 120
caagttataa tagtaagggt tctgcaaaag attaaatagt ataaagaata ttagtatgcc 180
ttcaactggc agaaatagga ctgggcacat ggaaaaaggt cagaaataag agaagatgca 240
gatttgctca aaggctgcta cccagcactc ccatgctcac cccattccta agctcttccc 300
caagcatact ctcatatgc attggtgagg ggccagggtcc ctggagggtcc cagagacaca 360
aagttaaggg tagggaaaag ttccagcccca cactcccatc cactttgtag ggctttctcc 420
cttcagtctg ggggtcccca caaatgcccc agatggtggn aacagtcaca tggatttcta 480
agagaccnca tgacatgctt ggaagttgca aancactggn ctttaagttgc attatttgga 540
cc 542

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<210> 6689

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6689

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gcataaagct gttcattgtt ccagtacat ttattgaaaa aactaccctt ttctgtgga 60
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ctctctattc tgtctcactg aattatattg ttatcctttg gccaggaccc cactggtttg 180
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atgtcacact ggggcaaact gacatcttaa caatattgag ctcaattgca ctaatactta 420
atgacctaca gattaaataa aagtaagata ccttcagggt ccagacttgc aaagatcnca 480
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<210> 6690

<211> 447

<212> DNA

<213> Homo sapiens

<400> 6690

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cgatgtggtg gatatggcca cctcactgcc ctgagaccca acttgatctc ccaactccag  180
gtgcatgacc caggctntga ccaacagagc tgggtggagg ccgttcctgc agcactgggg  240
gtggccctga cctaaccacc actcctaate cttgaatgag gttcggtatt acaaaggctc  300
ttgtttctac ggcccagcgc anaggctgca ggagggtctt tgcctctgng caatgctcac  360
agntgcctng cccaagacag agacnagaag ggaagccaga ccggcagcca gcatgggggt  420
gcaaaaccng gaaggaaang nccaaca                                     447
    
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<210> 6691

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6691

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gccaaggatt gcttttgagg gtcactccaa aaactgagct accacccggg gacaaatggt  420
    
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ctcataaatt tgagtngta aaagtgaac cgattncagc tcatgagccc taatataant 480  
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<210> 6692

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6692

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 caaaggcatg agccaccatg cctggctgat cgccttcttt tttagtgtct ctgtaccatt 180  
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 caacctccac ctcacggatt caagtgattc ttgtgcctca gcctcccaag tagctaagat 360  
 tacaagcgtg tgccaccatg cctagctaat ttttgnattt ttagtagaga ggggatttta 420  
 gcatgttggc caggctcaaa ctctgacct ctagtgatct gcccgncctng ggctttcaan 480  
 tggngggatc caaggntga gcccntgggc ctgg 514

<210> 6693

<211> 524

<212> DNA

<213> Homo sapiens

<400> 6693

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ccatgtttggt caggctagtc tcaaactcct caactgaggt gatccgcctg cctcggcctc 240  
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 tgcagacttt accagacatt gaggctccat ctggctctaa ctggccacca tctagcaatc 420  
 ttcatcattg cctggncctt gtingaancct gaaaatttac ctaccattaa tgnccctgagc 480  
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<210> 6694

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6694

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 ggcgccccgcc accacgaccg gctaattttt tgtatttttt agtagagatg gggtttcacc 180  
 gtgtagaca ggatgggtctc gatctcctga cctcgtgacg cgcccgccctg ggcctcccaa 240  
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 catcatggtg gcggctggga gcaacagggc atgtcaagga cttggcacct agcgtgaggt 360  
 ctcatcattg tgagctccca cccctgggtca ggtggcaagt cctcccagca gcgtgtgggt 420  
 caacttcaag ggtcccatg cttgggatgg cttggacacc aatggccaag cagggatgta 480  
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 gatgaanntc ctctaaatt 559

<210> 6695

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6695

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gagatagggt cttcctctat tgcccaggca ggagtgcagt ggtgtgatca cggctcactg   60
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<210> 6696

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6696

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ataaatctaa atcctgagta acctacgaga tgcagatcac ctggccaatc aagaggctcc   180
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<210> 6697

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6697

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agagtacgtt ctgcatttta tttttgcagg caacactttg ctcaccagca agaacacagc 60
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acgcatnttg naacaacgtt ttnnttttct 570

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<210> 6698

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6698

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agaggggctg aaagctgggc cttttgggcc aaacagcccc attgttaaag cgaaggaaaa 420

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gttcttgaaa gaaattaaaa gngctactcc agngaacacg agtgataaag tgaaacancc 480  
tgnanccnta aaaaagagng gggtcacg 508

<210> 6699

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6699

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ctttttcact attattatat ttgttatagt gacttgtgac cgggatcttt gatgttacta 180  
ttataattat attggggccc atatcagatg gcaaactgca tccataaatg ttgtgaactg 240  
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actactgaaa ttaggccaat taataactct acaatgggct ttaagtgtc aagtttgaaa 360  
gaaagagttg catgtctctt acattaaatc aaaagccaga aatgattaag cctagtgagg 420  
aaggcatgta gaaagccaaa atggggccaaa aactgggcct cttgcaccaa acagccaagt 480  
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nggga 545

<210> 6700

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6700

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tacaggcatg caccacatg cccagctaata tttatatata tttttagtag agataaggtt 180

tcaccatgtt ggccaggctg gtcttgaact cctgacctca ggtgatccac ccgccttggc 240  
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 cccctgtgat caacgacaac ttattcagga agaagggttc tttctactct agtatgcttc 360  
 cagttattta ctgtgtatct agctagggtg tgaaaagaaa agaatatgaa gcacgaagtt 420  
 catgaaacct aactgggtcta tcattctactt taccaaattt cttctaaaaa agcaaccatc 480  
 aaaccagag aagaatttga agcttctaac tttaatggcc tttacaatan gtggatttct 540  
 aatcatatga aagaa 555

<210> 6701

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6701

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 actgtgggtcc acgggcctaa ggcacttgag cttttccctc aactgaagtg taggggggtgc 180  
 ctgagagctg agcctcgtgg gagtgtccat ggtctctgga cctgcatcga agttcatgtg 240  
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 cagctccaga tcctggccac cctcagggtt caaagagact ggcccagggg tacacaattg 420  
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<210> 6702

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6702

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tacaggtaaa gatcaaggta gttataagtt attaaaaaat aattatggag actttttggc 180
agcagaaact acaattaaat cattcatatt ccttttaaaa ctagttttaa atctatatct 240
atctaccatg aagggtgtata cccttgtaaa ttgggccata tttcatttga tctacagaaa 300
gaggcataat attttggact tctatgaaat ttgtgtcaaa ttgacaacc ttattaaaag 360
ctattttgaa ctttattaaa aagtaaagaa tctagctggg cacggtggct cacacctgta 420
atcccagcac ttggggangc caaggcgggt ggatcacttg agggcaggag ttcgagacca 480
gnctggccna cccggggaaa ncctggcttt actaaaatcc caaaatagct tccttaagan 540
gcttaggccc gaaaaatn 558

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<210> 6703

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6703

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gagacatagt ctactctgn caccagggt ggagtgaat ggtgcatctc agctcactgc 60
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acaggcacgt gccaccacac ctggctaatt ttgnatttt tagcagagat ggggtttcac 180
cacattggcc agtcttggtt caaactcctg acctcgtgat ccactcacct cgacctncca 240
aagtgtgtaa attacaggcg tgagatgcag cgcccagcca ttagttctat ctttagtttt 300
tttganaaat cgccatactg gtttccatag aggntgtact catttacatt cccaccaaca 360
gcgttccttt ttctctgcat cctcgacatc ttattgcttt ttgaccttt aaaaatagct 420
attctgactg gtgtgaaaat gtagttttta ttgncattt ctctggagaa tagtggatgn 480
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<210> 6704



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冊

Separate Volume

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<211> 534

<212> DNA

<213> Homo sapiens

<400> 6704

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caggtacctg ccaccaagcc tggctaattt ttgtattttt agtagagacg gagtttcacc  180
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<210> 6705

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6705

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aggcacacac cgccacgccc agctaatttt ttttgcatth ttagtacagt cggggtttca  180
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cacctggaaa tctccccttt ccagcccaag caacatggat gtactctttt acaggctctgg  480

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<211> 530

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<213> Homo sapiens

<400> 6706

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tcacatattt tgtatgtgtg ggcttttttg aggggttagt acttgaaaga tatgaattga 180  
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taaataaata atcactacta aatacngata atggggtnaa cagcttacac tngtaaatca 480  
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<210> 6707

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6707

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ctacaggcat gtgccaccac gccagctaa tttctctatt tttagcagag acgggtttta 180  
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<210> 6708

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6708

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<212> DNA

<213> Homo sapiens

<400> 6709

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<210> 6710

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6710

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aatgcaaaat gtttccacta cgtaacaaaa gaaaatcagc attcccacat agtattagga  180
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<210> 6711

<211> 555

<212> DNA

<213> Homo sapiens

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<210> 6712

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6712

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actttataag gtgtatgtag aaagcaacag cagcagttac aaaatgttgt ctgagtgatt 180
ctgagagctc aaaacaagga tccgcgtata ggctgaagaa aaagacgttc agttaacagt 240
gcgcgctgta gaactttaac acaagtcttc aggtggaatt cctgtgtaaa ccttagtaga 300
gatgcgactc acggagacca aaagtaaaaa tctctttacc gtttacagtt tagtgaggtg 360

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gtctgcattc tcgcaaacga cttacaaagt acaagaaatg ttgcgtgtga gtattaggca 420  
tagaaatatt cantttctta ccggaaggac cacangggga caggaaacct antggacgcc 480  
cggcaacaac tttcccgaag atgcncaccc caggaacgga ntgcaagcct gcacaggcac 540  
cttacaatct tttg 554

<210> 6713

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6713

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acaggcatgt gccatcacgc ctggctaatt aaaaaaaaaa attttttttg tagagatggg 180  
gtctcaccat gttgcccaga ctgctcttga acaatcttcc cacctcggcc tcccaaaatg 240  
ctgcgattac aggtgtgaagc cactgcgccc ggtctgccag tgtttttcta atactaagac 300  
aagggttatg ggtctgggag gaagagccca gtggtgaagc gccctgtcac atctgcccgt 360  
gtgacctctc ggtgatgggt ccagccttga cctctgggct gagacagtgg gtcggctctt 420  
cactgtggaa acgccttgcc taccttccac tctgggctct ctggaaggaa agcaccatgt 480  
gcagcccaca cagaangggc accaacttgg gnccccccct tnggccctta attt 534

<210> 6714

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6714

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tttattgttt agttgtaaga attcctgata tatactggat aggtgatttg caagtatttt 180  
 ctcccattct gtgggctttc atgtcacttt cttgatagtg tcccttgaaa agcacagaag 240  
 tttttaattt ttatgaagtc cagttgtttt gttgttgttg ttacttgtag ttttagtggt 300  
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 ttgcttcatt ggattatcat ggaatctttg ttgaaaaatc aactgattgt aggctggccg 420  
 tggtagctca catctgaaat cccagcactt tgggaagctn aaggtgggaa ttgagcccag 480  
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<210> 6715

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6715

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 gaacagaatc tttcatttca atggtaggct tcaagtgaag atatctctca ggagactcca 180  
 tgtgggctac tggcatgcct acatttcttg tatectctag tttagccatc ttaaagtttc 240  
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 ttttttcttt tccgtctgca gccccagcta aaggatcaac atacttctgt ggaaaattct 360  
 cagagatact ctcagaatcc caaggtgatt ctatatcttc ctcttgncct aatcctaag 420  
 cggacatcat atcacttcta taattttggg cacttcatca acataagtca aaatggcatt 480  
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<210> 6716

<211> 454

<212> DNA

<213> Homo sapiens

<400> 6716

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aaggagactt ttctaaatct caagtccttt gctaattttt ctttggaca acagcacatt 120
ttcaatgcca aaccttctcc tacaacatac aaaggggaga tgccaaaact ctgaattctt 180
gtaacggatc ctgcaactag ttctatccag aagatggaga caatattccc tggagttgac 240
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cctatgcac acctgacctt ttacatgtt agtctatcct actatcccag gaattcactt 360
ctgctgtact tgagattcag ggataataat gtgactcctc ctcccacatt ctaagtaa 420
atgttaacta gatgagcatt tangncnntt nnan 454
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<210> 6717

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6717

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tttttccttt tttcttttcc cagctacaaa atactctggg gagatgcatt ataatttaaa 180
atatataata ttgcacaaac aaccaaagg ttaattaaac taaagaaata attacaaaga 240
gaaaaacccc atcccgtaa aaaaaagatt cagcattctc tccatcccac cccctcactg 300
aaggtttgaa gtggaagtga cctcactctc tcggtgtccc tgaccacga tccctttcac 360
tcattggtga gcacaccaga ttaggtcaag aatcaccaga gcagcatcgt gaagcaccag 420
gctcttcag agattcctgn agcccctcat ttccccaaaa ggtgcagctt taccagagtg 480
ganggtgaaa gcccgaangc tggggctggc ttcaggaaga aaactttggc agaaaccnn 539
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<210> 6718

<211> 522

<212> DNA

<213> Homo sapiens

<400> 6718

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ggttatgaag agtcttgact tccctgagag tcaaaagccc cattaattgt tcatgtacca   60
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tgtgggtcan acaggcaacc aatcagggag gtctctggga actcagataa tgaaaatttt  180
ttcatgtata aaatccttaa tcaaaatgcg agtgggtgtca tcttgcaagt cagacactgc  240
aacttaaaat taatatacaa cagaaccttc agcagaagga acatccccgg gctgtgtggt  300
acaagtgacc ctgaactgtg gcctggactg ccgagacccc aggcggcagg ccggctccag  360
gccagcatcg agatcccagg gaaacaagct gttgctgcac cangatcccc aaggcccgga  420
nggacttcna aatgtgangg caaatcggca aagatgatgt ancacaaaga gggncattaa  480
caccataagg ngtaactgca caagggggct tcggcaanct ta                        522

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<210> 6719

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6719

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accaagtaaa ggacaaactt gtactgcac ctacttttta gtaggcaact aaagcttaaa   60
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gtcttttaggc tactgaaatt tccaaagttc ttctggaagg ttacctttt atatgacagc  180
aatatgagac tcaactgccac tagtcctaca gtaaattaaa actatatctg caacttcccc  240
cagacgtcaa atcaccatct aattattgta aggatttttt tccagataac aatagctgga  300
atgggggtgtt tcagggattt tttgttcacc ccagtgggta ttggtgaaat ttgcaccatt  360
tccttcctat ctecccagga ccacctatca agagaagccn tagtaaacgc tcaacaaatg  420
cttgataacc cgataaaact actttaatct gnttaagaaa aataacctaa agaattggaa  480
taagccttgg ccttggtaaa aatatcaact tttccttaaa aggctctcag tt          532

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<210> 6720

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6720

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agacggagtc tcgttctgtc gcccaggctg gagtgcagtg gcgcgatctt ggctcgctgc   60
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acaggtgagt gccacaacat ccaactaatt ttttgtatTT ttaacagaga cggagtttca  180
ctgtgttagc cagaatagtc tctgtctcct gacctcgtga tccgccacc tcagcctccc  240
aaagtgtggt gattacaggc ctgagccact gtgccagcc tcccatctac agactttaag  300
cagggtagca actctattct gaagttcctg cacattatac ggcatataaa ttgtattaca  360
aattaaaaca aaagtcattc taataaaaaa gtcacccaag taaacaaaag aagctgacat  420
tacacagtaa tgnatcataa attcttaatg cctaaaaact ggtgaatcaa tagatgtaag  480
tcagaataaa gaaaggcttg gttggtaccc attatttttag aaaggatcat aagg      534

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<210> 6721

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6721

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caaaaagaat gatacaactt ttattttcca tggattttgc agatactttt gctacatagt   60
ttatgtatTT ttatgagatt tttttcattt gtatgaagtt cattcagcct tatacaatTT  120
taaggtgata tgtttggtag tgtatctata atctttaaaa agtttagagt ttttggaatg  180
tacagtatat gaggtaaaaat caagattaca ttaaaaattg tttctcctc tgcactaatt  240
ttgcagtgag gctcaaatgg caagtatact attaaatgac atttactatc aaaaatagga  300
agttcatttg aattactatg aaaaacataa gccactgtaa cttgacacag tggcacattt  360
taccatttta gacattcaac tatatataaa tctctgggct attacactca gactcatttg  420

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tactgccaaa tgtggcactt taaagaagtt tctagaaaac natcgcaatc nctgnngttc 480  
tgggnaangg tntc 494

<210> 6722

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6722

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tgcaagctct gcctcccggg ttcacgcat tctcctgcct cagcctccca agtagctggg 120  
actacgggcg cccgccacca cgcccggcta attttttttg tgtttttagt agagatgggg 180  
cttcaccgtg ttagccagga tggctcgcgt ctcctgacct cgtgatccgc ttgcctcggc 240  
ctcccaaaat gctgggatta caggtgtgag ccactgcgcc cggccccag tccactcatt 300  
ttatacaaag gaaacaaagt ttcagaaatg tgtatcttgc tcaccagtcg gaagcagagt 360  
ttgcctttga accatgtctc tggatcttcc ctagccatat accctactat aacatatatt 420  
aggagcatca tctttaaaat acaagttgca accttctaaa ttgggaagaa aagcctgtag 480  
caacttcttt atatctttta aagaaaacct ggggaggggg caagncccta agnggggaaa 540  
ctatgaactc aaaaccttta a 561

<210> 6723

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6723

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gtgttacctc tgtctagagg ggacaaatgt atctaattct tacaaggtaa tttgtaaaat 120  
tgcagtaggc cagaaaagaa gtacttcatt tagaacacag acagacggac ccatgaggac 180

ttttagcaga cagacagagg gacccacgag gacttctgac tgacagatgg gtcactgtta 240  
gttgcccata tcaaaagttg aaatgtcatg gttgtaaaat cataagaaaa agaagtaata 300  
ataatgtttg taaaactaca cattaatgga taattaagtt aacaacatac aaccacattt 360  
atattacata tgtgtttgta tatatatata tatatatitaa tactagtatc ttaaagactg 420  
tacatacatc agctcatttt ttttctataa atccttatga nggaaaatct ggtatatcc 480  
ccatttgnaa ctgntttinga agtaattatt ttgagaaagg tgaatnttag cntatgcn 539

<210> 6724

<211> 400

<212> DNA

<213> Homo sapiens

<400> 6724

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caatgattaa actggcaaca taaaaaggag ggagcacgag tcatggaggc ggnaagtggg 120  
gcacctgcan acttgctctg ctccatcact ttttccaaga ggcccagaaa atgtaaggtc 180  
atggctacat ccaagttaca atggtagtga ttacagccag gttagaaagg gctcactttt 240  
gttcagagca aactctacat cattgaagag ggggatcagg tcttcagatt ccaaagttcc 300  
taagtcaacg tttgttccctg gaagacagtc aaggaaatca gggaaacggg tctgttgggg 360  
attgatgttc atggnggttn gnccngngtt ttctcngna 400

<210> 6725

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6725

gttttgtttt ttttgcagtt gtcagtcctc atgatccatt ctgtggcgag ctgggaaaaa 60  
acgcagttgc taagtcaacg tctgaacagt gtgaggctcc tgaatatctc ccaggagtcc 120

ctgcgcaact gtcctgagca tgagatcatt gcacagagaa gacagtccac cgcgagcgc 180  
 tgactatcta cagaggtctg agaggggagc gtcctcttg tgtttctct ttttgccatg 240  
 gtaatactga ttattggatt tgccttgatg ttgtttgtt gtcacaaagg aacctaggct 300  
 tgtttgagtt gtaccttgga agcctttgct ggaagaacga aagagccttg ctgatccatg 360  
 ctgagatttg ttggtgctgt tggatgtgtt agtggtttgg gtgctttgca ttttcccaac 420  
 tgcctgagag gactccaagg atacatcttg cgaccctact cggnnccag tggacggacg 480  
 ggaaagcagc tggttcaagg gtttgcacg nggtgcatcg gaatctacgt cacttaanct 540  
 ggactgngtg gcaaaaaa 558

<210> 6726

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6726

ggctcttctt tgacacctag gctggagtag agtggtgcaa tcacagctca ctgcagcctc 60  
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 ggctaattct tttatttttt gtagagatgg ggtctcgtc tgttgctcag gctgggtctc 180  
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 cagctaaaat ctctcctctg ttacatagct cctgtcttat atttgataa ttaaattatg 360  
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 gnttcaaccc attcctaaact atttccgnc ataagaaaga cgctaaggac ttcataaact 480  
 ggcttgaanc gactgntctg anggttccg attacgcca acgtttattc atgcaaganc 540  
 ccgngaggna 550

<210> 6727

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6727

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gcttggacat taaataacaa atgaaagcat catgataaat tgagacgcag agaccacaga 60
agaaagaaaa tgctttatat ggtaatactt cagcagtgct tttcctctga tttttgaatg 120
aggggggtcca tattttcac ttgcactggg ccttgcaaat tctgcagctg gtcctgactg 180
ccaagagagg gatttagcca taaaatcagc aagggttggc cgtggggaag tggggtacag 240
gaagatagag gatttaggca tggctgcagg gttttaagct ggtggtactg ttggctggga 300
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gtggtgactg aggctcanga ngggtaccc gagcgggaac tgcgggcang gatcttgggg 480
aagcagacat ttaggagatg agacaacagc ntggctaacc tcaaaccctt tttagataga 540
atgtcttctt tctn 554

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<210> 6728

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6728

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agaaagactt aaatTTtata aacatccaag aaaaaggagg ggagaccaag tTTaataaaa 60
TTaatagatt tgTTtaggaag aataatcaat TTtccatacc cctccaagc cattgttatt 120
tgatataaat cacagTTTTg tTaaaggaac tTTaagaata acttcgtcac taatgacaca 180
tcattTTTtg caaacaggaa aaatactaaa TTcagaggat catagTTTct gcttagtcag 240
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atttatgtaa attctggTct tcaatagTTT gtagacttag tggcaaccta gtaattgatt 420
tcctgntTcc ccatactac agctgtcact ggacgaggag gagaatgaac naaataaccag 480
gcactTTtcta TTctagcata aangctctgg aanccagtct gntggcTTTt ctggggggga 540

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cctaattttt tttt

554

<210> 6729

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6729

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 tacaggcgcc cgccaccatg cccagctaatt tttttgtatt tttagtagag acagggtttc 180  
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 tataactcta gctactgctt aagtcagata aaaaaaacac aaattacaat gacaatttac 360  
 catgtgtctg gcgctgttct aagcacatgt taatgcacaa aaattctatg aaataggtgt 420  
 attattatct tcattttata gatacgtaaa ttgaggtaaa agccaagtgc atcgacttct 480  
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 aggtatacct nagtcn 556

<210> 6730

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6730

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 caggcgctg ccaccatgcc tggctaattt tttttgtatt tttagtagag acagggtttc 180  
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 agctatgtga agtgtttagaa ttccttcact ggcatgttgg tgagattttt ggagtataatc 480  
 aagccactgg ctttaactag aacctncctt tttcaaactt ctctggatga aaaagcatca 540  
 ggatatattt ncaa 554

<210> 6731

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6731

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 ggctggaatt canatatcca gagttctggt tacctacaac atctattctt tacgtagtag 180  
 cttacaagca tcaaaggcca cctcacctg atgcttggcc ggatctatgc cctccaaaat 240  
 agtcttcatg tctcctgct tgnctaaatc agccccctgct tgaagtaaaa catntgcaac 300  
 atccgtatgt ccattttcac aagcataggt taaggctgtg tctcctgttg ctgttgtagc 360  
 atgcacatta gcgccagaag ccagcaaata ttttaaccaat tccaggngtc cctcctgaga 420  
 agcctccatc aaagggtgtg agcaacccaa gttctatata aaccctggc ntaataagaa 480  
 agtctgnaac tttagaaaat cctcccagga ggccaagtaa gagccgttcn tgggggttntt 540  
 tgg 543

<210> 6732

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6732

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aatagtggaa atttttatTT tacaaatgaa aagtcaaaat actgctttga attgaccctt 60
aagtcacact ctgaattcat accatgcagt taaaattttc ccagttcatc aattaattcc 120
actgaaaaca gactaagctt ctgtctatgg aagaagcaca gaccagcttt aaccatgatg 180
acaatcactg gtaagactaa gcaaaggaag tgactgtatc tctgtttcaa attctttttc 240
ttcttgggca cattctccat ggccatgtga aacttaaaac aaagattgcg actgtcctgg 300
ccagagaaga aggttaaagc tgtgtcatag agaattgcag attatagttc taccttcac 360
ctgtgatatc catgtctctc agagaggtct ggctacacca ggatgttctt tgcgatagca 420
ttcaaaggcc ttaccttggt cacatctggt acctttaggg aatattctga gccaaagaaaa 480
ggangcttcc atngnaacng atgaattcgn aacttcattt ccgggctcta attnancggc 540
aaacagtgg 549

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<210> 6733

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6733

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gagacagagt ttcgcttggt gccaggctg gaggcaatg gcgtgatctc agctcaccgc 60
aacctccacc tcccaggctc aagcgattct cttgcctcag cctcctgagc agctgggac 120
acaggcacgc gccaccatgc ccggccaatc cttgcatctt tagtagagac ggcatctctc 180
cacgttggtc aggttgccct cgaactccca acctcagggtg atctgcccac ctcagcctcc 240
caaagtgttg ggattacagg catgagccac catgaccggc cagctactgt cttttctttg 300
accttcctt tccggttttt gaagataaag caggaagtaa tcttctctga agatacttga 360
taaaaattcc caaaacaaca aaacacatgc ttccacttca ctgataaaaa atttaccgca 420
gtttggcacc taagagtatg acaacagcaa caaaaagtat tttnaaagaa gtttaagaatt 480
cttagcaaaa tagatgattc acatcttcaa gtccttttgg aaatcagtta aaattaatcn 540
tttcccantt tcan 554

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<210> 6734

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6734

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aacacagtt catttttagt ttgtcgtggc aatacatgga aaaaaatcag gccactacta   60
agcatctata gagtgtatct ttggcaaaaa tgtggacctg caacaattca gatggttttc  120
tttcaattag gttcaaaaat catggctctg taaatttcca aaacttttaa agtccttctca  180
tgtcttctta taatcgggca ttcagaggta cgtgttgggt ctaatagctt tggtagaaac  240
atgctgaaaa tagaaatgaa tataaaatgc cttgtcttta ggctaatttg gtatggatta  300
gtaaggcctg agtgaactgg aaattagtag atttcttgaa ataatacaaa tgaatgtgag  360
acacatgggt agaacagcag attcagaaaa aaagggttaag tattgtagtc ccaagtttta  420
taaaagacat caagtaaggc cagcaataga ggaatcaagt tcttttcggg ttccttgggg  480
gggattncta tcactttacc gtcatgaact gggattgnaa aagngaaagg ccttgacttg  540
gtttggagg                                     549
    
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<210> 6735

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6735

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gtctgctgtg ggcaaaagat cctctgttgg cctctgaccc ctctcccgc tgatgccaat   60
gacaggaaac cagagactct ctgcctcaga gactacaggg agagaggagg gatgggcca  120
aggtgtattc ctcttacgat gccaccctt aactcacctg gcattgcctg agggcccttg  180
gctctcagtc tgcattgatt ggagctggga ccgaagcccc cattccagaa accggaccag  240
gagataggca aacaagaaga agccacccaa tgtgagaaag aaataagcaa cgggggtgat  300
gtccgtcttt atgccagca aagccagccc cagtaggaag gaggcgcagc acaggaggag  360
    
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aagcggcttc tcagtcctcc cagtaagtgc attggcacca tggccccctcc caggcttctg 420  
 caaaaagaca cacagctatt gggntacac tagcaattgg tgtcatggct gtgtcagatc 480  
 caaagtaccc atatgaaaat tcttggttgg gttctaggtc ttcaatctca aataatcatc 540  
 tggagan 547

<210> 6736

<211> 503

<212> DNA

<213> Homo sapiens

<400> 6736

atgtgaacat gttgcattta taaagaaatg tcacacgtac acacagaaag gtcatatcaa 60  
 agcaggtaaa aattaagaca acatatttct ccaaaaacca gtctgacatc ttataatacc 120  
 agaaatatac acacacttca aacctgggaa atcctctat gaatctgctc tgaccaatat 180  
 ggtagccact aatacctgaa atatggagta accaagtaac aaatttttaa atttaaaact 240  
 gatactcatt tcagttattg gaaaactttt aagcacattt agaccaacat gggtatgtaa 300  
 atttactttg caaatttaga ttttatgaaa tctaaacatg gattaagtat tatcagtaaa 360  
 actttagtgn ctcaactgag atatgcaaac cagacagact tagtttcata agaatgaaaa 420  
 atatcttact ggaataatat ctncatgna ttgnggtnaa tatattaaaa ttaatttacc 480  
 ttggttttan cgnggntact aga 503

<210> 6737

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6737

gagacagagt ctactgtct ctgtcaccca ggctggagtg cagtggcgtg atcttggctc 60  
 actgcaatct gtgcctcctg ggttcaagcg attttcctgc ctgagcctcc caagtagctg 120

ggattacagg catgtgccac catgcctgac taatitttgt atttttagta aagtctgggg 180  
 tccactatgt tgaccaggct ggtcgcaaac ccccgacctc aagtgatctg cccacctcgg 240  
 tcttcctaag tgctgggatt acaggcgtga gttacgnac ccagcctgga agtaaggaca 300  
 gctgtgttct aatgccagct ctgcccacc agctgcacaa ccacggggca agtcatgcca 360  
 cccgtcaagc gttcagattt ttcaagctag atgaaggaaa aatgactgac ttcccaagaa 420  
 gtccttgcaa ctctatatat ttaaagcttc tctgnacttt caaaaangaa cennnancaa 480  
 cccaataact tccttaaag canttact 508

<210> 6738

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6738

gagacagagt ctcttctgt caccaggct agagtgcagt ggtgtgatct cagctccctg 60  
 caacttccaa ctctgggtt caagcgagtc tccgcctca gcctcccgag tacctgggat 120  
 tatagcctgc caccatgccc ggtaatttt tgtattttta gtagagacgg ggtttcgcca 180  
 tgttgcccag gctggctctg aactcctgac ctgaggtgat tcgcccacct ncagctccca 240  
 aagtgtctggg attacaagca tgagccaccg cgcccagcca aggacatta cttcttaagt 300  
 acagaagcat cagtgaaggt cagtggcatg atgcgctggg ccgtcctcca caggttatta 360  
 taaagaagac atccatgagg accaatgtca cacctgccag gaaacactcc ccagtcacct 420  
 gaagggcaaa ngctctggctt tccaaaaacc tggggcctgg tctttttggc attctaattg 480  
 gccaaaaccc antnacatgg ctnttaatcc cccacttant ncctaatttt ntngag 536

<210> 6739

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6739

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agacggggtc tgcctctgtc acccaggctg aagtgcagtg gtgtgatccc ggctcactgc   60
aacctccacc tcccgggttc aagtgattcc cctgcctcag cctcccaagt agctggggatt  120
acagggtgtgt gccaccatac ctggctaatt tttgtagttt tagtagagat ggggtctcac  180
cacattagcc aggctgggtat cgaactcctg gcctcaagtg atctgcccac ctcagcctcc  240
caaagtgtctg ggattacagg cgtgaaccac cacacccggc ccgtcttaac agtttctata  300
ctccccaaga gtgagttgca aatgaactaa aagtcaagct tgtaagagct atttatattc  360
cccaactggt aatggacca taagtatagt ggctgcatct tattcacctc tgtaagcccg  420
aacctgacac attgctgggtg cagtacatac ccangnga atgtgctgac tttttaaaga  480
atttggaatn caagggccag tgtcaaattt caatctaaga actggattca ttggcnaaga  540
ncctganttt                                     550

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<210> 6740

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6740

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accagtttac tcaattaaca ggtcagcata taaaacctgg atcttctgac ccttgattgt   60
accacactct gaaatgtata taaaatttat gattaccaca aataaagata cttcaaagac  120
cctaaggaag gaaacacaga agaagggaac agcttctca cctataaaat aataaaaatg  180
tggtcttttt gacatccttg agctaaataa ggtcgcaagg tggagccac tgcccagaag  240
ttttacccaa atagtctaac atagaaatag gcctggaaac aggaggagta acataaattt  300
aaggcttacc agtgataaaa gtaccttcta ttatcatttg atcctcacta ctcagttaag  360
aattatctct atttttacat attttttaaa aaggcatcag tgaaataatg tgattacctt  420
caaggncacc cactnggtaa atggcttgga caaatcctca ttaaccctac tatacccttt  480
tattntgaga aagtcagagt anctnggtgg aagcctgact atttaatacg gatccaanat  540
ggaaatccaa atc                                     553

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<210> 6741

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6741

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cttttttcat taaaaaacca tttatagtca tttcatgttg gttggaaatc acagaaatta   60
ggcaggaaaa aaaaacccaa gggaacaaat acaaacagca cagcgttccc cacagttctc  120
tgctctgctc tcctgcgagc cggggaagga gaggggcagc ctgagctcgg gcgggggctg  180
ggcctggctg cccgcggctc agctctcctc gtccagggcc tccgagtcce cccgtgccct  240
ctcgcgtcc tgccggtcgc tcccaggcct gtccaggteg ggaccctccc gtacgttgct  300
ggtgggaaca gcaaaggcgg tgtgaggatg ccctcccgcc cctgccctgc ctgtagggcg  360
gttgggtggg atgggcaccg aggagtgtac ccccgttgtg gcacctgagg ctcgagtgcc  420
gccttctatc tggttgcttc tggcactaga gaacncaacc atnttcaagg gtcccacgct  480
tggccaagc caggcattag cacaangnaa ctgtgtgggt aagtgaagtg acttcccttg  540
agcctn                                     546

```

<210> 6742

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6742

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gtctttccca ttttcgggaa gagtaggcct gggatttggt ttaaaaggta atttattatg   60
aacatactgc atggcttttg ctttggcagc gtttttcttt tcttgaaata aagaaataag  120
gagaaagaca catacaggcc actgtttaag cctagaaaac atcccttatg ggagggtttc  180
ttaaccttgg cactatcaac aattcaggac agaacattct tttgtgggga cagtccagtg  240
cattgtagaa tgttcagcag catccttggc ctctaccac tagaggctgg tagctccaag  300
tcttgctgta acaacaaaa atgtctcaa acattgccaa aagccccttc tggagtaaaa  360

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tagcccaaaa ttgagaacca ctgcttaagg ggggaaaaaa agaaaaaaa gttcccttan 420  
aatgatgaan ggcaaccctt ggcanggtca gaaaaantgg ggccanattc accctggctt 480  
ttgggttcan gcnccctggg 499

<210> 6743

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6743

ggtcatctga gcttgagtta atcggcagca ctcggtttc taacctttga ggcatttcta 60  
aatctgatcc cacacactca ttctttcaga gcccggaag gtaagatgaa ctgattacac 120  
catacttaga aacatcctgt agaatcaaag aaaaatgctt cctgcctttg tacagaaaat 180  
taagagattt ttcaaagtga agaaaagcaa ttttaattacc attaaacaag gtttaactgc 240  
tgtgggcaat cattctctgc ttgagaagca taatttact tgaaagaaac cagattggcc 300  
cccgccctc ttttggttta tcctcagcaa gaagcgactg ggaacaactg actcttgggt 360  
gagctgtcca gatagttaga aacatatcac acagcagttt aagggacccc agggggggca 420  
gggaaacccc agaatcaggc cactcctgtc ctgtctcctg tctgtgctc ggaaggggcc 480  
cccacagcag aaacatgtga tgcctcctc ttctttggcc ttntacagaa gggcagacat 540  
gggtntn 547

<210> 6744

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6744

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ccctggctaa gtattccttt tgtactagaa atcagatttc tctggcacia ttccattgcc 120

tgcaatggtc tttatcaaaa ctacaaaagc cagcacacta tttcaatatg tattcagttg 180  
 ttcatatcta aatacctcat tagctatgaa acaaaccaaa tataaatgct gaatatacag 240  
 tacatagcaa cagattcttc acagaagaaa acaatgaaag actaattttc tacaatatgt 300  
 tacctgttca ttagttcttc aataacatta cttaggctat ttcaaggata acaaaatgta 360  
 tgcgccacta cccatgtttt cgcaacattt tttacctagg ttctaaaggg gaataaatga 420  
 gggatgccgt ataggcagaa ttatTTTTat aaactttcgg angttcnttt ggggtggggca 480  
 tcttacatga atatatggga ccagaacngg atgtaccctt aagcattagt nggtctatgn 540  
 aatttgctat atgg 554

<210> 6745

<211> 516

<212> DNA

<213> Homo sapiens

<400> 6745

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 gatgattgat gccccagttc acaaaccata tctTTTTctc tttcagcaaa tcctggagcc 120  
 ccaagagggc tgcagcctga gtgaagtggg gacatcagaa cctgccctcc acaccaaca 180  
 gctggactgc agcctcctgc aaggcctggg ggatgtgcct gacctctctc tgggacagag 240  
 tccgttccat gtggcggtac gtgatgcggg agcagtggct ggtcttgtgc gtcctacaga 300  
 gaggaagaga acacaggtga gtgcgggatg aacaaggctg tgcctgaagg agcagtgtgg 360  
 cttgccctgg ccagatctcc ccaactgcag tggagaactg aggttggaat ccaggtacca 420  
 tttaccgntn acaatctgna tcttatcagg gggaaaangt gacagtcagg ggaacattcg 480  
 cttggactna aggangcttc tgggttnac tggggg 516

<210> 6746

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6746

gagatggagt cttgctctcg ctctgttgcc caggttggag tgcaatgggtg taatctcagc 60  
 tcaactgcaac ctccgtctcc tggctccaag caattctcct gcctcagcct cctgagtagc 120  
 tgggattaca ggcacgcacc accacacctg gctaattttt gtattcttac tagagatgtg 180  
 gtttcatcat attgatcagg ctggtctcga actcctgaca tcatgatcca cccacctcgg 240  
 cctcccaaag tgctgggatt acaggcgtga gccactgcgc ccggcccatt aatcttatct 300  
 tttaaactcat atcaacagtt ctaaaaaaag acttggattt ttatttggtc tagtgggtat 360  
 tgntctagaa gcaagactcc tctaattgat cataacacca agcctacccc ttagctgaca 420  
 agtcaaattgg gtggtttttg gtggntcaaa tncaggaaga caccctttgg gatacattga 480  
 ctaantagcc aagaataana aggcagggga aagaaattat cttaaatttt ttggctaaac 540  
 ctn 543

<210> 6747

<211> 552

<212> DNA

<213> Homo sapiens

<400> 6747

caaacagcgg gtcattttgc agatctcaac atttttgaaa gacagaatat aaaacatcag 60  
 cttttaccat atgttgtggt caaatacatt ttataaatat tggcttagat gagatttaag 120  
 ctcatctagc tttaggtgct taagagtcca ccagacctgg ccggagcagt ggctcatgtc 180  
 tataatctca gcactttggg aggccgaagc gggaagactg cttgagacca ggagttcaag 240  
 accattcaaa gtggtgagac tgcacgcatg agccaccatg ctccagccaga ttttgtttct 300  
 ttgtgaacct gcactgctgt taggaaactg taagtcttat cacctcccga atctacaaaa 360  
 gcctctgtgt aggtatcttc accagcaagg cttggccaat agcggataga tccttctctg 420  
 gnggcaacca tgacagcaac agncttaaaa caggatcaca ccattagcat tencattaaa 480  
 agaggaaccc aaaanccacc agtctgatgg caatggatcc aaggaaccgg gncanttact 540  
 ntttggacca na 552

<210> 6748

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6748

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aagttttgca gagatagggt ctgctatgt tgctcaggct gcttttgaac tcctggcctt   60
gagcaatcct cctgagtcag cctcccaaag cagccacggt gccagcctc aattaagttt  120
tcaacagtga attggactta aattgtcttc tgtttacaat ggctgaaatc catttaaatt  180
ctcttggtgg tcctttgttg attcctggag atttttgtac tgtacttgcc tcattcctac  240
acatacttta attgaataaa atgggagaat gcattttccc aagtgcctaa agtgactgtg  300
gaaataacca gggagaggtta ctattttcag tctacaacat atcatattca gatacatatc  360
attgtggaca taatgaatgg gaattctata tacctataat tagtcaacat aattttcttt  420
tcctccttat ataatgattt tatctgagca ccaagggggg cctttacatc aaataaactt  480
tatgacaatc caccaggcca atttactacc tcaattangg catggtacat aaaaggnga   539
    
```

<210> 6749

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6749

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gagacggagt cttgctctgt caccagggt ggagcgcagt ggtgcaatct cagctaactg   60
caagatctgc ctcccggtt cagccattc tcctgcctca gcctcccag tagctgggac  120
tacaggcgcc tgccacctcg accggctaatt tttttgtatt tttagtagag atggggtttt  180
caccgtgcta gccaggatgg tctcgatctc ctgacctcgt ggatccacct gcttcagtct  240
cccaaagtgc tgggattaca ggcgtgagct accgcacctg gcctacaaat acataatttt  300
aattaacaac ttcatttgtc tgaaaccttt ttgtctaatt tgtaggata tgaggctaatt  360
    
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atgcttaata acatgtttta catgtttgca acaaactgaa cataaacaga aaatccacat 420  
 ctttgaaaag agctaaacac aaagaatgaa tttagctgag aaaaagtaat ggntttcant 480  
 aaaaagcagt caatgctttc ttntgngctt ggaaaatatn tnaagcctan ttttactggt 540  
 ttaa 544

<210> 6750

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6750

gagacaaagt ctcactcttg cccaggctgg agtgcactgg tgcgatctcg gctccctgca 60  
 atgcctgact cccaggttca agccattctt gtgcctcagc ctccaagta gctgggattt 120  
 caggcgtgag ccactgcgcc tgcccttggt acgattttta aaagcttacc tggttgtagt 180  
 ttaagcctca gatgggtggt accccagata ttgcaagtgt cagctctttt ggctgtttcc 240  
 agagaccagc ctgtatttct gtgtccctgt ctgtgttggt agggcatgga gttgagtgtg 300  
 ggctgggtat ccagttgtgg gttgggaagc tttgggggaa ggaagatagg ttctttgaat 360  
 acatacatta gcttcattgg tactaaaacc acccagattc agagaagtag tggacacca 420  
 ggatgttgat tggcttggnt tgtaacgggt tttcatgag aaacatcctt tggctactan 480  
 ggattggcac atttgggctg ntgtcanctg aggcttgagc ancttttga tcaacagttt 540  
 tna 543

<210> 6751

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6751

gagaaggagt cttgttccag caccaggt ggagagtagt ggcacaatct cagctcactg 60

caacttccgc ctccctagtt caagtgattc tagtgcctca gcctcccaag tagctgggat 120  
 tacaggctcc caccaccacc tccagctaatt atttgtgttt ttgttgttgt tgttgtttta 180  
 ttttttgaga tggagtctcg ctctgtcacc caggctgtgt atcaaaattc ccatgaatat 240  
 ttgttatttt tcccagaaaa ttgaccctac ctagaaatta cagaacttca aaggcagcaa 300  
 agagaactgg taaagtcttt ttgatattgg ctcccagaaa gtgacagaaa gtgactcaat 360  
 tcaaaccatc atcaacactc tatggggaca taaggcttaa caaagaactt cacttaagtc 420  
 tatggtcctt ctcccaaact taatgccgga tctcagcctc atcacatatt gaagactgna 480  
 tcagaaaatg gtaagtgcta gcaccaatag gcattangca gtagactcan nttganggga 540  
 gcttggn 547

<210> 6752

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6752

atagagacag agtcttgcta tgttgcccaa gctgatcttg aactcctggc ctcaagtgat 60  
 cctccataag ccaccacact cagcttaaac tgtcttaaga ctaagatgct tagagaggga 120  
 aaagtggat tacagtaagc ttcttgggca tgacttactc acagactatc tactctaaaa 180  
 tctaaaagac cctttttaaa agcgggatga ggtgactcct ctaatttagt cagcatgagc 240  
 aagaacaaac aaaacctata aactcaacta ttgaaagtta ctgcgaactt tatactgaaa 300  
 aagcactata caaaaatttc catcggttat tctcatggt cacttttaca agatgggttg 360  
 ttcccaactg gccaaatgac ttcccttggt acccactgta tgcactatct cccttccgac 420  
 agtgacgtcc ccttgnactc tgtcaagtag gattaaaact tttcagactc aagnattttt 480  
 ccttttctcg gggttttcag anantattaa ctggtctttt aaaaggntta aaggccaaaa 540  
 tntt 544

<210> 6753

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6753

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ggctcatttc tccatttatt agaataacca catttggaga ggcatgaagc acttaagttt   60
tacatgacta caaagttatc acaaatctca aacttttttag ccacagatat ttcacctctg  120
tttaaagaaa aagctttcaa aacatctgag ttagcttaat acacagagac cctgaaatat  180
atgggaacta catattttaa atgcttgtag ttcctgctct aataatgtct tctttaaacg  240
gaatccagca taaaagggat tgaaatgtat aaggatcatga tgcaaatgct ttggagatag  300
tgaaactgat ctgcacaaca tggaaaaaga tgtcatgtgc acagaagttc tgcaaggatt  360
cactgagcca tctgggcttc catggcttgt gctgtccatt ctggtgctgg ttgactaatt  420
ttctncaaaa ggggtattcct tggaacaag tgattggact gcttatccac gttggcaggc  480
ttttcgggtt caaaaggact attcctcaat ctgggcaata aatcctttca tccgtcctt   539

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<210> 6754

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6754

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gtctaacatt tatttttttc tttttcccca gaatcctgaa acacaatagt ctttttagtag   60
aagaggtttc tgagttcttt ctaagcaact actctaaaaa atcagtagct tctaggtgga  120
atcatacagt ttccataaat ggtcttattt tccttttctg gttgaaattt aacccaaaga  180
actttaaggt ctaatgtgat gcagtattta catacaaaac tcttaattca tcctgcaaaa  240
tggccaatat gagcagataa ataggaaagc tatgcatcta ataaagcaca gggccagtgc  300
tctataaaga ttattgagtt gtaaacataa gatattctatt caaaagagac cactgaaatg  360
gttggggcca ggtaggcca aaacttaatg cattaatgta aacattatca gtatgtttac  420
gtacctgggtg ccataccaca cagaagcttt ccaattccta ccacaggag gttttcttct  480
cttaacacca ggaatcttgg tcaaacccca aggggtggaat ttcaattgga agcntttcaa  540

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acactggatt

550

<210> 6755

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6755

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ctaaacttct cttcttgctt catttcattc atttgatctt gaatcactga taccctttct 60
tccacttgat caaatcggct actgaagctt gtgcatgtgt gacgtagttc ttgtgccatg 120
gtttcagctc catcagggtca ttttaaggctt tctctatgct gtttattcta gttagccact 180
catctaactt tttttcaagg tttttagctt ctttgcgatg ggtttgaacc tcacccctta 240
gctcagagaa gtttggttatt agcgatcatc tgaagcctac ttctgtcagc tcgtcaaagt 300
cattctccgt ccagctttgt tccattgcta gcaggaggct gcattccttt ggaggagaag 360
aggtgctctg attttttagaa ttttcagttt ttctgctctg gtttctcccc atctttgggg 420
ttcatctacc tttggccttt gatgatggtg acgacagatg gggttttggg gnggatgtcc 480
ttctcttggt agtttccntt taacagcagg atcctaactg gangtctggt ggaagt 536
    
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<210> 6756

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6756

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gtcaattcag tctctcttga agggcgactt ctactttctg tgcaaatagt tactcttcat 60
caggaccctg catatttaag taaatcacac taactgcatt atttgcctc tttggagtgt 120
tatacttggt ctacatgtg tacattaatc cagaaatatg cattaaaaca ctgcacagct 180
ctgtgaactt gatgcactga gatttataaa tagtcttctg aaaatccgct tatattcaaa 240
gacattatgc taaggcaaaa tgtaagtaat taaggaggagg tgacgaattg gaggtaataa 300
    
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taaaaaatag tcatgtagaa aattataaat aatgactaag gtgaaaaaga aaagtgaag 360  
 tactgaatgg gtagaaaggg aactcaattt tggttctaag cattagtatg aaaagggcct 420  
 aatgccataa taacccatt ccaatgctta ctacctgngg gtactggtaa ggtactatac 480  
 ttcattaagc cttacnttcn tggaccgna aaatggcata ataggatctt ctgcaaaggc 540  
 tatcctgggt tngaac 557

<210> 6757

<211> 459

<212> DNA

<213> Homo sapiens

<400> 6757

atataacaca gtcagggaca ttttggtttt tcagctgaaa ccacaactag ccaaagctgg 60  
 aaaacgttac atcaccatcc atgattcaac aataacaaaa aggatgacta tctaaagaag 120  
 aatggtctan aaagcatcac ttcattgctat gggttgaact gtgccctcta ataacgttgt 180  
 tgaagtctaa ccaccagtgc cttanaatgn gacctaat tggaaataggg ttgttgcaga 240  
 tataattagt taagatgagg ncatactggt gtaggggtggg cccctaattc aatatgactg 300  
 ggtatcctca caagaagaca gcaatgtgaa gaaacaggga gaatgccccca tgaaaaggga 360  
 acnnagattg gactggtgca ttacaatcca nggacatcaa agatgggttan cctnatgacn 420  
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<210> 6758

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6758

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ttacaggtgc ctgccatcac acctggctaa tttttgtatt tttagtagag acagggtttc 180  
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caaagtgcctg ggattacagg cgtgagccac tgcgcctggc tcanattctc cttttcttaat 300  
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aaaaactaaa aaaaaaagtt aaaaaataa aaataaactt tggggataat tagataatct 420  
aagaaattct ttnagnggtt ttncctaactg ctggggatng ttaaaggga aagaagctca 480  
tnggaaattg aattnggtgc ttgtggactg acaagggttaa gttgggtnc taatggagga 540  
cttttanggc 550

<210> 6759

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6759

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tgaaaagtga ttaggaagtt ctaaaaattt tagtcattta tagagtatct taaaaatcct 180  
tatcaagtaa gatattaact ttacctttat aaatctttgt gtgaaatgaa aaaaaaatca 240  
aggcatacaa atttcattgn gttctacatt tttaaatacc atcctttgtc tccgttaaaa 300  
gattttcatc cttttattca aaaacctttt aagttcaact gtccaattta agacagagtg 360  
aagacatttt tgagtatctg aactaagcat tgncttgact gaaacgaagt aagaactcaa 420  
tgagagcctt gngggcctcc agtcatgcct ttccganat agggacttca tctttggngg 480  
catagcctg ctatggctaa aagggncccc ttanggatga gttccaaatt tttcaggaan 540  
ctgcn 545

<210> 6760

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6760

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ttctcttcat ttctccactc acaggatcaa aggggtgcggg cgaggactgg gaagcggggg  180
aggaaatgca agatggaaca ggccccaagt ttttaactgg cataagagca actgtggttc  240
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tgagaaataa acacaactgc cagaaagcag cacgcttcag ctactgctaa tcccaggcta  360
caagacaagc aggaaatcag aggtgccctg tgatgngttt tccaaaaagc gtcagcaagt  420
acacagagca aggaggaagg ggacagtcca atgcaaatnc ccaattggggg ttcanaacag  480
ggattaaagc ttgaacccca gacagcccca accgagggcc cccaatgctc atcttagcct  540
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<210> 6761

<211> 428

<212> DNA

<213> Homo sapiens

<400> 6761

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gaaagtttac atgtattctt taattctaga caccgnacaa canggacaac caattacaat   60
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tttccacaat gtcaactgca tgctgcattt tcatttctat agagcagaca agcttccaga  180
ctgcagacca agtttcttgg gtaataatac tactatcttg atcatgacca caggaaacca  240
attttatatt ccctgtacta tagagatgag acattatttg gtgtatatga aactcttcag  300
tggtggtgtt caagaatatt caaatagtag ctgaaaatag ggtttgctag agcagtcnc  360
atatttcatt aaaagaaaaa tgcccagtca aaacatttag aantaaatnt ntngnncagc  420
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<210> 6762

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6762

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gagaaggagt cttactctgt tgcccagggt ggagtgcagt tgcacgatct cggctcactg   60
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tacaggtgca tgtcaccgca cccaactaat ttttgtatTT ttaggacaaa atttttgtat  180
atTTTTtgca tgtTTTTgtg ataattttgt atTTTTgtat atttcacat gttggtcagg  240
ctggTcccaa actcctgacc ttgtgatccg cctgcctcag tctcccaaag tgctgggact  300
acaggcatga gccaccacgc ctggcctaata atTTTTtata tatacaagta taaagtgtca  360
tacctatatg tgcatgtgtt taaggataaa atgngatata ctgngtaaaa cacctgaaat  420
aataaatacc gggccttata catatttgac cttttgaatt aaaagacatg cttaaaaaaa  480
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<210> 6763

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6763

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tacaggaacc ggccatcatg ccagctaata ttttgtgttt ttgtagagat ggagtttcac  180
catgttggcc aggctgggtc tgaactcctg acctcaggtg atccacctgc ctacgcctcc  240
caaagtgttg ggattacagg cgtgagccac tgttcccggc aataatgcat atTTTTcaaa  300
aacagcattt aacagtgggc atctgacaaa tgtcagtttt cttttactgg gattttccac  360
atgatctgtg tattgggtgag gagcctctta attgaaagtG acagaaaccc agcatgtagt  420

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ancttaggca caaaccggat taatgggcn aggtaaggaa nggctaanag gaactggcta 480  
tgaaggatgc tgaataggaa cttcctgntg gcagtacttn tggccccata cttgggggcc 540  
ttcaacttcc aagg 554

<210> 6764

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6764

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atgtttcaat aggaccaaga acgttagaga ataaagatct tagatgaaaa tgaacactaa 180  
taattctagt gtcctcccc atagaattaa tgtaaattccc gtatgaatca gtggcattat 240  
aatgttatgt ggttatgaag aatgaaattt ctcttagaag taggcagcat gaatttatac 300  
ttacataagt ataacttata cttccttgta ctttcattct tagtttttat aatttaagct 360  
atgtccaccc tggctaaagt acaatcatac aatatacctc agataatttc catgctacca 420  
ttgccaagtt taagtgattt tactattaaa aaaaaaaaaa tccaaccacc atcaaaatta 480  
agangccaat taaaggaant tttaaattcat ttggaaagca tngggcctaa ttggccaatc 540  
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<210> 6765

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6765

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tacaggcacc cgccaccaca cctggctaatt tttttgngtt tttagtagag acggggtttc 180  
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 caaagtgctg ggattacagg cgtgagccac cgcgcccaga tgacctaga atatgtttta 300  
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 ccaacagaca gaaccagggt cacacccgtc acttccacac actggtgatg ngctcaagga 420  
 agctgcttat ctncattaa ggccatccat tcaactgcaa aatgggggat aataccctta 480  
 actgggctgg ttacaagttt taaatgnant aaaaaaaaaat agcctcggat ttggncataa 540  
 tac 543

<210> 6766

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6766

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 ctctttacta tggtaaacta ctaagaaatg caatctctat cctgagaggt cccttttagag 180  
 acagcaagtc tcctttaccc caagagagga gatactcag tatcatcatt agcaatctct 240  
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 tattcttgat gtgcatggat aactgaaagc agactacttt ctaaaaatat tacttgagtt 480  
 gattttttgg gggtttgatt ttagaccag tatnctaaaa ttttccttta agncctataa 540  
 accc 544

<210> 6767

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6767

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ctgcgtgaaa tcattaagga aaaccttgaa cactcaaagc ttcaaagtga tccagggaaa 180
aaaaaattct ttgacagtct acataacaac tattgcatat atagtgatgc tacctgtcac 240
attgcaaggc ttacaaatat atatatacgg gccttatcca gctgtggggt tctgttctgt 300
gagaacatct cttcatgggt tgcaagaatc ttcagcaata aaaaatagtc ttggatttaa 360
gcgctgatat acctaaagag aaattctagg ctttaagtga aagaaaangg aagtccaacc 420
cttagtctca tgtataacag ttggttttaa tctttcttnc ttaaaaatcc ttatentaan 480
ccattttggg cataggcttt ttttttttaa acttgnctga atagggccca agncccttgg 540
ctttataaga acctttangt cn 562
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<210> 6768

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6768

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aatcctccca gccttccaaa gtgctgggat cataggcatg agccattgta cccagcccat 120
tctctttttt taatagaagc ttattattcc actggaaagc tgtatcataa tttatgtaac 180
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atctagtcca tatgttattc tgcatgtaca agagtatctg taggataaat tcccggaagt 300
ggaatttctg gggcaaaaga tatatatatg ccaaagatat tgccaaattg aattccatac 360
tttccaag acagttttat aattttatta tttttgccag ctcatagatt ttaaaaaagg 420
cttctcangg gaagttttaa tttgccattt aattttgaag tggantggag aaatctttcc 480
tatatttcaa aggatgggta aggtaat taaaatttcc atgggaaaaa ttttaatcca 540
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cctttcctaa aaggggnngg tnaanctatt ttcttaattg ggggcc

586

<210> 6769

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6769

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aacacttttt cccaaaaacc acaataaata attttcaaac cagacattgt acaattttta 180  
attatttttc aagtaaaatc tacctacatg gtaaatttca tttattcagg tgaaattaag 240  
tctttgttgg tgagccttta gccacaagaa gagaacaag taatacccaa gtgtagtagg 300  
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catgggtcat gccacaggc atgtccaatg tctggacccc atactgggct gaaaactggc 480  
atcctgtgaa gaggaaggtc tgcnngtcat caaagtgggc aaccctttg agacagccat 540  
ggagggtcag aat 553

<210> 6770

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6770

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gcctcccag tagctgggat tacaggcatg caccaccacg cccggctaatt tttgtatttt 180  
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atccgcccgc ctcagcctcc caaagtgtg ggattacaga cgtgaaccac cgngtccggc 300  
ccacaagcta aattttgaag tattagatcc ttctttaaac ttttgctctt cggattgtca 360  
atgtcaaaga tagtttccag ggggaccaa ttgggcccga aaactgggta ttaaaataaa 420  
gccttaactt ttattggtgn gcatttcttt ctgaaaacaa ttttnactng nttaccgtgg 480  
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<210> 6771

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6771

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attgaggtga tgggctgcac tcaactccat ttttttcac agcctttttg tcaaggactg 180  
atgagccctg ccttctggaa acattcttga taatcatgac attaattttc tgattcccct 240  
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gggcccagaa acaaatcaac aggagtccc attggagtgg tatgaaaaga gagatgcatt 360  
tcagggaagg gtttagatac gtgaggtcca tagtggcttt actaagcatt aatgggtggt 420  
gaaanggaga aagcaaagtc acaatccgat ncaaatctag aagaaaatcn tagttggtgg 480  
attaacaagt tgtnggccct tgcaatgtac ccgaaaata atgccttact tccaaagcat 540  
ggctttcaaa cctactt 557

<210> 6772

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6772

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 tactggcatg caccaccatg ccctgctaata ttttatattt ttagtagaga cgaggtttca 180  
 ccatgttgcc caggctgata tcaaaaacgt ccgcctcggc tcaagtata tgcctgcctt 240  
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 aaagtcaaaa aaaaatcttc cttcttagaa gtattgccca agataaaatg aacatcaagt 360  
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 ctacgtgggt gacagaagga nggaaaaatg aanaaggaaa gcaagtgcctt gggtggtgng 480  
 aaccttttgc ttttttttcc tggnaaaggc ttctgggggtt tggggtcctt ggnctacctt 540  
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<210> 6773

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6773

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 tacaggtgca cgccagcaca cccggctaata ttttgtattc tgaatagaga cgggggtttca 180  
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 gnccatggaa tttgaatctc aagcngaaaa agaccgaaaa agggttgaag ttggcttata 480  
 caccggggga cctnttcag aaatgtgggt ttaagntcct tcaacaagaa gcccaaanct 540  
 ggccaanggt ccacct 556

<210> 6774

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6774

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taggcacaca caaccacacc cggctaacac taggtatttc taacatactg atgcacattg 180
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gagattacac cactgnattc cagcctaagg ggacagaagc gaggactccg ncttnaaata 480
antaaataaa gtaagtaagt aagtaaactt tangaagttt ngctangcat tggaacttcc 540
gtctgng 547

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<210> 6775

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6775

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gaattgcagt aaacagggtt ttcacctgt tttcaggtgt tgggggtggga aaagtgttct 420

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atgatactat gagcagggt caagtcttgc tgaacttng tccctgggt atgaactnc 480  
caagtgttt tcaactttcc ccaactgcat taagggggac agaataatncn gaagtactag 540  
nggtanggat ttcc 554

<210> 6776

<211> 494

<212> DNA

<213> Homo sapiens

<400> 6776

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ccaccatgcc tggctaattt tttgtatatt tagtagaggc agggtttcac cgtgttagcc 180  
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cacagcgtaa gagggatggt gaagacttcc tcacacatgg accatacat ttattcattc 360  
aacaaaaacc tactgggcac attttatgtc aaagcacagt gcacaagctg tgaacaaggg 420  
anaaataatc cttgctctat gggtaacaca gaccattntg aaangncntg acttggggna 480  
aggtntggat ctg 494

<210> 6777

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6777

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gcttggctaa tttttgtgtg atttttttt tttttttgta gagacaaggt ttcaccatgc 180

tgcccaggat ggtctggaac tcctggcctc aggtgatctg cctacctcag tctcccaaag 240  
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 aaagcagaaa aataatttat tccgaaagac ggcagaaata ataaattcat cctgaaaata 360  
 cagtaaggng taattctgtt gagacagctc ttccctctga aaatgctctc ctactgactg 420  
 ncccactgga gtattacttg gcttgcagca atttctaaac acttcattgg gtcccatgtg 480  
 aaaangcagg agccatnttt aaaagcccag atttcaaggn ggcngtacat atttttcaaa 540  
 aaagacaant ttttt 555

<210> 6778

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6778

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 ttacatctta atgagccac agctgcctgt tgacctgggtg tcatcacgag ggtgatcact 180  
 atttccagca agctctttgt ccctcaaagc ccagggatca ggggcagccc gtggaagacg 240  
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 gtgatgagat tccagtgaat atcagcattg agggcctcag gtgtttgcag ggggctctgg 360  
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 tcaagtagga aaggggagca cagattttta caaatagat gtgggcnggt tcttignaact 480  
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<210> 6779

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6779

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gcaccatcac acccagctaa tttttgtatt tttagtagag ttgggatttc actatgttgg 180
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aaggggctaa ggattcaaaa tcaaataaac ctcttttctt gatattgggt ctttgtcttc 360
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tcattataat gattggtaaa agggatgatg tttggcttct gataaactaa cttgagaaaa 480
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ggggggccc 549

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<210> 6780

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6780

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tacagaagca tgccaccatg ttaggctaata tttatTTTT ttagagaaa gagttttgcc 180
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gaagctttta gtccatttt tatgtgttag ggaaactgag tcttggagag actaagatac 360
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tatctagctc tgacttacca cttnccacct tggnacctga ctnttaaaa ccttaaaggg 480
actttaagcc taatagtagc ccttaaattt tgggaaaaat ancagtttgg actggctggc 540
acgg 544

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<210> 6781

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6781

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cccagctgct tgtaacattc ttgaaatgtt gactccattg gaggaccag cagagcttgc 180
catgcctccc gatctgtact ctttgctgta gtttanatat ttgtccgctt caaatctcat 240
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gatggatccc tcataaatag attaataccc tgccatgggtg agagtagtga gtgagttctc 360
tattagtttt cccaagagct ggttttttaa aagagcccg ngcttcctc tctctcttgc 420
ttcctctcta ccctgngatc tctgnacaca ctggcttccc ttncctttg ccatgagtgg 480
aacaaccttc agccttanct gagnanaaac cggggctgat tttggacaag ccataa 536

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<210> 6782

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6782

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caataaataa ttccacttta atggcaaagt aataatttag acagatacag ggtgcacatt 60
tgcaaaaaaa tatatgcaag ctggtttaca agctagagga acaataaacc aatagaaaat 120
acatcatcca gttaagtcca ttgacaccaa gtacttattg ttggggcttt acaaagacta 180
caaaactttt cagatgattt atttactgt ttctgcctat ttacatgata tgttacatca 240
aaatgtacaa aatataaaat gtatacagac aaatgtttca caaactagtt taagttgtaa 300
actaggtgga cctactgggg tgtattgcag gaaattctgt ttatgctcat gtttgactg 360
tgtttctcaa aatggcaggg aaagattagc aattttctta gatcacatat tatacaaggg 420

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aaactagtca ctcatccagc tacatatatt ggatggttca caacagattt gaccatgggt 480  
 gangnttttaa aggcangggg acaattctat ggggcctnaa atcagtcgga ttccttang 540  
 gcaatagcnc cgggtang 558

<210> 6783

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6783

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 tcccacctca nacccccagg taactgggac caaagacaca cattatcaca cctagctaaa 180  
 ttttttcata gagatggggg ttcgccatgt tgcctaggct ggtctcaaac tctcctgagc 240  
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 aaccagcctc tatcatcttt taccctaaac tcccatgtaa taaatattgg atcttcttcc 360  
 tttattaagc atgcatgtgt ctaacctctc tggttttcca tcttccttct ctgggtccata 420  
 ttctgagtaa ttatttcgga tctatatttc aaatcactta atttctccta agctggttct 480  
 aaacagctac ttaacanttg cattaaaata atcctttaac ctccttttaa gcaactttat 540  
 tgggacaaac ntataaa 557

<210> 6784

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6784

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atcagactgg tacatgtgta actgatgacc ctacacggac atgtcattat tgcttanagt 180  
 tcatagtcca tacgagggtt cacacttcgg agtgcacatt ctgtgggtct ggacaagtgc 240  
 acagtacat gcatccgcca gtgtaatatc acacagagta gtttcaccgc cctgaaatcc 300  
 tccctgttcc accttttcat ccctctgtcc tcccagcccc tggcaaccac tgaccttttt 360  
 actgntcca tagttttaac ttttctagaa tgncatatag ttggaatcaa acaataggna 420  
 gtcttttcag agtggcctct ttcacttaag taatatgcat ggaaagggtc tncatggctc 480  
 tttngacct gatggctcaa ttaattctag nccnaaaaa aaatncatta agttttggct 540  
 attcncctac tggaaggact tnt 563

<210> 6785

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6785

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 tacaggcgcc cgccactgng ccagctaata tttctgnatt tttagtagan acgggggttc 180  
 accnggnct ccattctctg acctcgtgat ctgcccacct nggcctccca aagngctggg 240  
 attccattta aaggnatgca tttctgatac ngaaagagct ttctcatgan cctgaaacaa 300  
 tgttaatacc atgcaatgnt atatcactga ttatgnttca ctaatgntgg ctgaaattgg 360  
 ncaaaaagtt ttttggaat ccttacnaag atcaaatac taantcttct atggatcttt 420  
 ctttttctct aaantttgaa taaatatcta aangcnaaga tgctgggcca ntgagggtta 480  
 caagtctctt aatggaagg gcttaaancn tnaa 514

<210> 6786

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6786

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agtttcaaga tgtttatfff gaaaaacgtg cttgtttata tgtaagcadc ttcgtatcta 60
gcagctaadc agtattaatt cttcattgtc atatcttgta tgtaaacggt acttagttga 120
taccaattct cttttggacc tcatgcccaa tacttttttt ttttttaatt tccaactttt 180
atttaaagtt ctgggggtaca tgtgcaggaa gtgcaggttt gctacatagg caaatgtgtg 240
ccatgggtggt ttgctccacc catcacctag gtattaagcc cagcatttat taggtattct 300
tcctgatgct ctccctcccc tcttcccttc aacaggcccc agtgtgtgtt gttcccccat 360
gtgccccatgt gttttctttg ntttaagttcc tactataag tgagaacatg cgggtgtttgg 420
ttttctggtg ctnggttaag ttgctgagg ataacgagct anccatattt caagggtcca 480
atactatggt ttgcttaang ctaacttaat gggnnagngc ttaaatngac atttcatcaa 540
ngcaaaagt 549

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<210> 6787

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6787

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agagcagttt taggttcaca gcaaaagtga gtagaagtag agagttccca cacacctcct 60
cccaccacac aggcacaggg tcccttacta ccatcatccc acatcagact ggtacatgtg 120
taactgatga ccctacacgg acatgtcatt attgcttaga gttcatagtc catacgaggg 180
ttcacacttg ggggtgcaca ttctgtgggt ctggacaagt gcacagtgc acatcatccg 240
cagtgttaata tcacacagag tagtttcacc gccctgaaat cctccctgtt ccaccttttc 300
atccctctgt cctcccagcc cctggcaacc actgaccttt ttactgnctc catagtttta 360
acttttctag aatgtcatat agttggaatc aaacaatagg tagtcttttc agagtggcct 420
ctttcactta gtaatatgca tggaaggntt ctccatgnct ctttgtgacg tgatggctca 480
tttatttcta gccctaaata atattccatt aagttttggc tatnccctat tgaaggactt 540
tttgggtgct tncaan 556

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<210> 6788

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6788

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agtagagaca gcgtttcact atgttgcca ggctggctc caactcctga cattggctta 60
tgttcttttt aaaaagtttg atggtgagta gattttaatt aaatgggtgct ttttattgaa 120
atthtcttta aaaataaaaac tctgtatttg taatgtaagt caggagtaaa tacagatttt 180
ggataaatgt ctacacttcc taagtcaact ctcagagtca cttttaagat cactctagct 240
gtctggggta tccaacttgg gaaattcaga gcctcagtat ttagaaagaa aatccttcct 300
caactttaat ctgatgaaaa gttaaatttt ccttgaaagt cgatgatatg ccacaaagtt 360
aaatgcgcca tctggcaaaa ggcaaattag aacaggttca aaatttacia ctgnctacia 420
cattcaacta tttggtaaaa atagaaccta attggcaatt ttgactttca caccacacga 480
atgtaccga gaagttggna ttccccangg caattttttt ttttagcgcc aatgacaacn 540
ccattaccct aantttaag 559

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<210> 6789

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6789

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gagacagaat ctcactctgt cgccaggctg gaggcagtg gcatggaatc tcagctcact 60
acaacctctg cctctcgat tcaagcaatc ctctgcctc agcctcccaa gtagctggga 120
ctacaggcac gtaccagcac atccagctaa ttttttgtat ttttagtaga gacagggttt 180
caccatgttt gccagatggg ctgatctct tgacctctg atctgccac ctcggcctcc 240
cgtagtgctg ggattacagg cgtgagccac tgcaaccagc cagaatttaa tattctttag 300

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ctactttgac tctaagtctg aaaagaatca ttttagaacc tgcaaaggca caggaaataa 360  
 ctaaaatccc caaggaaata tctaaaattg gcctttaagc agaagagtaa cataaacaat 420  
 gctggcttct cctgatctct atctaagtca anggtttnc aacctttttt tctggctcta 480  
 cctatttaca agtgcangct acttccatcn tggatatctt aancntttta ttctccgnaa 540  
 gccagggggc cta 553

<210> 6790

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6790

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 gccatctntg cctcccgggt tcaagcgatt ntcccgcctn ancctcccga gtagctggga 120  
 ttacaggcat gcgccaccac gcccgntaa tttttggatt tttagtanan acagggtttc 180  
 tccatgttat tcaggctggg ctcgaactcc tgacctcacg ngatccgccc gcctnggcct 240  
 cccaaagngc tgcgattaca ggcgtgaacc accggggccc gcctaaatgg gcttttaaat 300  
 aacgttttta tttcagtcaa naaatagngt ttggtatgtt tggcaggctc tttttctcc 360  
 tttagnctt tccttacaca ggngnttatt tttgctttgg ctttctcttg gaagttacaa 420  
 tgctattttg naccttngcc accaaaacgt tttttccgg ctcatctttt atgaaggggn 480  
 aanttttacn ggctgactcc attaaaggca ttttggcctc taattttnaa cten 534

<210> 6791

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6791

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gtgaaatact aagtactatc cttggcttgg ggattaaacc tatataacaa aagtgaaaag 120  
 gggtcatggt ctaagagaca cagaactatt ttagaagagt tcaagttcac atggtagtta 180  
 cctctaggtt catcacactg caatggcaga acaggcttgc agatacagac atgaacaatg 240  
 caccgagaat ctggtattat caaggactgg gttgtaaagg catcattagt atatgtacag 300  
 agcttcaatt ccctaggctt ttttaaagaa agtgggtattt ttattttattg gtcaactcag 360  
 aaataatttc tcaaagttta ttcagctttt aattaggaac ttataccaat ttttctaacc 420  
 ctggggagaa aaccatnnga aaaaaaccca acctatattn caactggttt ttnaaagtcc 480  
 accaantcaa ggtcacnttt tnggggcatt ttatttggaa tccgacttaa a 531

<210> 6792

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6792

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 gaggtaagcc atcctctcaa aatagacact gccttcagag gcagccatgg ggtacacca 120  
 acctatccaa aacaactgtc aacggagggtg tttccgagggt atcaagacag taacaacaac 180  
 aacaaattaa aaaaaaacag aagagaactc aaataactct ttcgacatgt agtgaggcag 240  
 agtctacgaa gtaccctgaa gcagttgggt gccgtgaatc ctggtggtgc ttcagccaat 300  
 gatggcagca gggctggcca ccgtggaagg caagtactg agggcttcct aactcaagtc 360  
 tctgtccac aagacttctc agttgacctt cagagcagcg ggtcacggc tagagagaat 420  
 cctccagacc atctcangct cgcactactg cagtctttca aatgccctta gagcacggct 480  
 tnagaacaat ctctttgctt tcgttccta atgagaacaa ttcggcggtc ttttactttt 540  
 tgagctcaaa tanttaccat cttattaat 569

<210> 6793

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6793

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aaggaaccaa caagaaaaca taagttgcat ttattcacgt ccacgccatc taaagctact   60
gtgtacagta atcaggactg gagaaggac gatttagtat ctaaaaacaa caaaaaaac   120
actgggacat gccccctgaa ttgcaagttg gagttcgtaa gaatctactt gctggcaagc   180
cggtttcctc cctgagaagc acacttcccg ctctcttctc tccttcacgc atcttctgtc   240
cctctcagtt aaggcctgga cagtgtggga tgggtgttga atctctcctg cagagctgtc   300
agtcgcccggt gggctcgggc tgcgtgcact caggctcccg gtcgctgggc tctgcgctcc   360
gccgccgcag ctctccacc gtctgcagca gggccgaccg ctccagttct aaggtaagca   420
tggcctgctt cagcttgctc tactgntcan gagcttctca atgggnggcc tcaaggcttg   480
gatcctacca tttggcacct ggcaactggt caaggaggca aggtttggtt gcgnaactgc   540
tgtgggtttc tctna .                                         555

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<210> 6794

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6794

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agacagagtc ttgtctgtt gccaggctg gaatgtggtg gtgcaatctc tgctcactgc   60
aacctacacc tcccgggttc aagtgattct cctgcctcag cctcttaagc agctgggatt   120
acagggtgtgc aacaccatgc ctgcctaatt attgtatttt tagtgtagac ggggtttcaa   180
catgttgggc aggctggtct caaactcctg gcctcaagtg atcctccac ctcagtttcc   240
caaagtgtg gaattacagg cttgagccac tgtgccgggc ctcatattatt ccttcttatt   300
agttgctatt ttggttcagt ttgcaccact atagtcctct actagtacaa acattaagga   360
tgatcatggg aaaacagatt tggctggta gcaaaaatat gataaaggca tatcaagtat   420
tagttgtgaa acttaaatta ttcttggctg ctacaaaaaa gaattacata cattcaggta   480
catattctga atctgacaaa aatatttaag atagctcgta atggaataag acattgaact   540

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tcttattatc aaggttcntg aggnc

565

<210> 6795

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6795

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 agtcacatgg ttttaacttct ggttgctgtc tccgtgaaat ccagattgtt ctggggaggg 180  
 ccagatcatg tgccctgcat ttccttctcc cctgtaagtg agaaagtgtt tctatataaa 240  
 acagagacac tttcttaagg tgataaatc caaacaacat gcagcagtga actgatgcag 300  
 aaacaaagct gtaaagagaa gccacaaagc acatccccag ggagaaagag cccttgaact 360  
 tgcaggatca ctgccaacct ttggcagctg ggggctcctg ctgagtaatg ncagtggggg 420  
 acatatgaat cacaggtttt cctttaatct tataatggta aaaccatttt taanaccnta 480  
 aggtncataa agcctttntt caagaatccc naatgatgaa ggttanaaaa cnt 534

<210> 6796

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6796

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 gaagatctat gctgttttgt ttgggaaatg aaaggttttg gctacattta ttgtttgaat 180  
 ttggagggac agagagatta ctagggacta gagtggtttg agcaggattt atggaacaag 240  
 tgtgacttca cattgttaca aattataggt gaagaatgaa ggaacattcc aggatcaagt 300

ttcctaaaat ttggaaataa actgtggaaa ttctcctaag gtttgtatct ttcttgtctg 360  
aatctaagaa tctttttcta ttatgatgag tgagatcagg aaatgaatta aaatatTTTA 420  
atttcctcct tggttttgaa gttctttaaa gaagggattt agaatttaaa tagtatgggt 480  
attagtatct ttgagtgaag gagaaaccgt aattaaatgg cttctcattt ttaaaatagg 540  
gagaaaagct tcttcnctt aa 562

<210> 6797

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6797

gagacagggt cttgctctgt caccagggt ggagtgcagt ggtgtgatct tggtcttaca 60  
acctccgcct cctgcgctca agcaatcctc ccacctcagc ctcttgagta gccaggacta 120  
caggcatgcc ccaccacacc cagctaattt ctgtatTTTT gtagagacag ggttttgtca 180  
tgttgcccag gctgggtctg aactcctgag ctcaagcaat gtgcccgcct cggcctccca 240  
aagtgctacg atcacaggcg agaggcactg caccagccc atggtttctt aacactgcct 300  
cactttgatc ttgtgtgaaa ttgtgactca gtgctgagct ttagaccag ataatgttg 360  
agggggaata cagaggagaa ttgaccttc tgaacagctc aacctagttt ctaaaggcaa 420  
gattttactc cagcgacatg tactggtgac catgatgtca ctctgtgagc tggcctacca 480  
gtaaccaaac caacgctnag gaaggaganc attttccacc aacagnacac actatggntt 540  
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<210> 6798

<211> 508

<212> DNA

<213> Homo sapiens

<400> 6798

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gcagcctcag gcaatcttcc tgcctcaacg tgccaagtag ctgtaactac aggtgcgcac 120  
caccactcat ggctgtatct tttcataga gatggggctc ccctgtgttg cccaggctgg 180  
tctcccaact cctgggctca agcgatcctt ttgccttggc ttccccaagt gttgggatta 240  
caggcgtgag ccacatgcc cggccagcat tttttttttt ttttttggtg gagagacaca 300  
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ttcctgatgt tgagaaccgt acagctacag cacagcgta tacggctcct acgtcagaca 420  
gacatggctg gggcancgct ggangggaaa tgtgganacc acanaacaga acagaggaac 480  
tcnaagagac cncagacgct tcaggnc 508

<210> 6799

<211> 227

<212> DNA

<213> Homo sapiens

<400> 6799

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cagcctccgc ctcccgggtt caagcgattc tctgcctca gcctcctgag tagctgggac 120  
tacaggcgcg tgccactatg cctggccaat tttttgtatt tttagtagag acgggggttc 180  
accatgntan ccangatggn ctccatntcc tgacttngcn atccacc 227

<210> 6800

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6800

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atgtgccatg gtgctgttat tgttattgtt tatgaaccta tcacttccta ctactgtctg 120

atatgtctct gtaggcccc tgaccctagc aaaatgacta cacatagtag gtttttccat 180  
 gaatgcttaa gagatgactg agcctactgt ctccagccta acttccctat ttaagagctg 240  
 aaaaaatcag atttttttaa agtttcattc catttaagag ttaaaccatt tttcttattt 300  
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 tttaacctaca aatcatagtt ctgggaaaat gagaaatgtc tgctgtaggc acttattcaa 420  
 gtactgcaag tcatgtgccg gactaaggca aacatgactc ggaatctgac gcttgaccta 480  
 aggacagntt tcaaggctta catgacctac acacgaacnt aangntggct ttncatttaa 540  
 atgccngtag tccnaaacac 560

<210> 6801

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6801

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 catattgaca tgatatagga tgcaagatat aaatatcaat ttaatagaca ttattaaata 180  
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 agttgctgct tggctcttca agttgttcga ttgctttcag tttcttcttt aaggtcttga 480  
 ttttttggct atctcagggt cccagaaatg gctgganaaa acagngtttc gngggggctc 540  
 tgtggggcag a 551

<210> 6802

<211> 517

<212> DNA

<213> Homo sapiens

<400> 6802

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gggaagtgag gtagagaaac acctggatta gttacagggtt ggcatTTGCC ctatttacac 180
acagtTtgaa cattcagcag tgtatgagtg attgaagtac ggctgctggg actggccgag 240
actcagcaat tgtgacaggT acatactcct aatttaggtt ttcaatcttg tctacctatt 300
aagttaggct cagtttgttc acagggactc caatacagaa gtacggagtc cttctcaggc 360
catatttagt tcgctttaac aattccccct ttttggtcat tttatcagtt ttgagagatt 420
gatccgaaac ttggagttat tgatgccttg tcaccatggg cttgnaaccc cctnngaaca 480
naacagtgga gttttgcaaa ggtnggacca nggnctg 517

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<210> 6803

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6803

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caacaaacaa agttttctcg cttctgccac aatagtaaaa ccatctgatc ttgacaagat 60
aatggtgtcg ttgactttgc tttttcttg tccgttggac aaaattggcc aagaatataa 120
ttggactggt atggccaata aaaacgaagt ttaggtcaag tcttgtcagg atagcctgac 180
taaaaacatc tggctcctta atttaaaata gttcagacaa ccagattctt gctgtgtttt 240
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tctgccacaa attccgtcag cttttcataa tatcgncttt ggactctttc ttccatggtg 480
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gggtcaagga aaggcc 556

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<210> 6804

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6804

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ctgacctaca gacacttttt agaaaaaagt attactagaa aggaacctga acgtacaata  180
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ccagataaac tcacaatcaa atacttgctt ataatttcaa aggatcctat gaccctctgg  300
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aactgccccat cccccagcag tcgccaggca cagggtccg gaaatgggca ggcagatcca  420
cttcagcggg gcatatttnc aagacaggat gaccctcatt tccatcacag gttgnanggc  480
cttgtggcaa ggaggaatgg ctgggcttgg ttaaaggga agtcncagga aagaaagang  540
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<210> 6805

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6805

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aaggaaaaca ctacccta atcaaaaggcca caaaatgtat tcacagtaac agcttccact  180
tactgggttt tcttgccagg catggggtaa aatagtttat acgcatcatc ttatttaatc  240
ctcagaataa ctcaataagg atgggtattac taactcccat tttaaaggagg aggaaactga  300

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cacttaggaa ggntaaatac ttgccccaaa gtttcctagc aacccaaatc ctgtcttaac 360  
cacgatgctt caacagtcaa ctttccaatt ttignacngn ttttatgact ttggcctct 420  
atcacttatt tcttgatgan ggtaatggnt cttctagggt tttccccagg ctttaacatt 480  
tggccctggc agataaaccc ctggcttaag nggatanttg nacctggggg caaaaccaa 540  
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<210> 6806

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6806

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actacaatac acgtatggcc accacatgtg gctttttttt tttttttttt tttttttana 180  
aatgaggtct cgcttttttg tccgcctgg tctgttactc ttggactcaa gtgactctat 240  
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tagacattca taaatgtata ctcttacaca tttcactgtg cttttgagta gtgaaataca 360  
atatgtaact tcctatatatt agaaatgttt tcaattcaag taaattaaac atttaacatt 420  
tggtagcatc acgtataatt tnaataaata attacnttat ttgctggaaa taaatcaatt 480  
ttcaccaagg ttaaagactt aaactggaaa ggggttcttc atccacactt tgcatatgct 540  
gcagc 545

<210> 6807

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6807

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 gctgtgttca ccaaacttgc ctgacccttc ctctcctgt gctttcactc actctcctcc 180  
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 ataagtctaa ttttccatt tggagatatt taccctttat gtttcaagaa tgatttgaca 480  
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<210> 6808

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6808

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 atgctctttt tatttgaaaa atttaggcat agactttttg ctcatctcaa atctggtcca 180  
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 atagtccaac aacctttaag catttacctt tgcctctctg tgtcttagac atttataaag 420  
 tgtatacttg tcttatgaac tatttaaagt tgtcaggatg aaataaaatt accgtgcaaa 480  
 aatttcaaaa agtaaaggcc ctaaataaaa aggaagncta tcanttaaatt gcttcatatc 540  
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<210> 6809

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6809

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gtgaagtaaa aattcccttt catctgtggt caagtatgga aaaattatga aggtcctcat 180
taaatccaca ttttttaacc cattaaatta tccttataaa aattcagata aactactgtc 240
ataaatgcaa ctgcactgcc tcaaggacct aaaaactggt ttcctaatca actagatggc 300
ataatcaggt aacagcagaa acagatagtc tagtgaattt ccgagagtca aaatatgcta 360
ctttgatgct tattaacac tgaaaacttt cacaatacta actccagtta agttggtgag 420
gttaaaaatg actaaactaa aaataatggt caattaaaac atccacagg gatctactgn 480
aaataatagc tgcaaccaag ttctggtacc tcaagacttg aagncnaag atttccccag 540
tagnggctt ataaagnaat nttttg 566
    
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<210> 6810

<211> 510

<212> DNA

<213> Homo sapiens

<400> 6810

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cttctccanc atctcaccca ctttctctcc ttctcaatct cctgctccca cctccagcac 180
cttcggggat tccctcttgc agcccctgct ttctaantcc accctgggct ggggaaagga 240
aagtaagaga ccacggggac aatttcaagc cccccagtct ccacaggggc tantccccct 300
ggctacctgc ctggctttct ctctcctggg ctaggggctg gggaggtctg cggngctcan 360
tcctggccct gcantatccc aacaccctgc tctggggctg tctccacagc caaaggctaa 420
    
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tgccctnaggt cacanaagtg cnanggacaa gggccaccgn tccccgctgg gctcatccan 480  
cacaagancc agcttactca cttgccaaca 510

<210> 6811

<211> 466

<212> DNA

<213> Homo sapiens

<400> 6811

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ttattccaaa acccaaagta tattaaaagc tgagattcca ccagtgcact ctgggtaaca 120  
gagcgagacc ctctctcaaa aaaccaaaca aatgcagtgt ggttgctgga tgggggtccca 180  
gaacagaaag ggcacgcatg ggaaagccac agtccttcagt tagtgtggtc tgcagagtgt 240  
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ttgatacagg atcttggccg ggccgcggtg ggctcacgcc tgtaatccca gcactttggg 420  
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<210> 6812

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6812

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atggttctgt atatatttta gaatgatgcc ctttgtgttt gatccacaaa aaggagagaca 180  
tccagagctg aagagttttc cctgagaatt ttgtcaagag ctagaagaga aagggaaga 240  
agtacatgaa caactgcata tggatgatatt cactcttaag tctgctatac agaaatttaa 300

ggggtgggg gcggtggtta tagtgtggag ccaggaaccc aaggaagcct atccatagtt 360  
ccacatcgct gatgtaattc ttagtatatg gacacttgaa caattcaata tattaataag 420  
tctaaatttc tatctggaca aagggtctgg ggtaaggagc tgggggtatt ttggttcctt 480  
atatgttgcc gggaagtcag ggaccccaaa tgganggacc ggttggaacc ntggcnagg 540  
aacctaaatt gggaanatt tcttgg 566

<210> 6813

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6813

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gaaagcaggt cagaaaggag ccattggaac tatgttgaca acagcaccac atctcctact 180  
gttgtttcgg agtcctgact gtggttagaa ctgataccag tgtccgagtc tgtgtcattt 240  
gtgtaattgc taaatactct ttgagtaaag ggaggaatct cccattgct actgggaacc 300  
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ctgtatttaa tccttttctg gatgccactc aaatgagagt gaattttcaa accagctttc 480  
atgcttttct ccaaatacaca cttaacactc tctaaattag agctttncag tcacttgcag 540  
ctttcccttt cgcattttt 559

<210> 6814

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6814

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cctggtcctt ttaagcatat gggttttcaa atatgttaga gcacctaaga tataaaataa 180  
taagatacaa aaaataatac atagctctta gctagatcat ctttaattgaa aacttactgt 240  
gtgtgtgcta gacaccattt ttaaattctt ttctttttta acttgntttt ttttgagaca 300  
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gcacacacga ccacacccaa cttaaattttt aatttttttg taccgaaggg gnccttgctat 480  
gttgaccagc ttgggcttga gctcctaacc tcaagggatc ttctacctta agccttccaa 540  
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<210> 6815

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6815

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actccttctt gaagctcggg atcgaattat aatcctgtga gcaatcatta ggtgcataag 180  
aacttgtgtt tctctgtctc aggtgcactc tcagccctgt gagagatgag taggatctgg 240  
agtccagaag atcttggatc atttactgaa ctcttttagg tacacaattt ccttcaatcc 300  
cttcaacaac tgtccccgtt tgatgagaaa cttaaagctca caagaggtaa gaggctgagc 360  
tggggacctc aaggcctggg actgtcctgt tctaagccaa atgaactggg gtgaactgcc 420  
tttctgtcga tgcctgtagt gtgcagcaaa tgggggctgc tcaaagcagg aaccccggta 480  
aagtgggaac catgggtatc ccgggcttca anttcccacc caacctgggc ttttttggcc 540  
aggtccttcc aacccccaaa tggt 565

<210> 6816

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6816

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aaataaagaa aaacctttcc atccaacttg aagaaaaatc agaaagtatt tttctccatg   60
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tgtgaattca tttccgcata gtcggaataa ttttgctcc aaattcttaa aggagacaat   180
gaattagtag cttgtaaatt ttgcagatct gggccttcaa taacttagta gaaggcaata   240
aaatagaggg aaaaatggga ctgtggatta caactgttca aatttcatct taatttcttc   300
tatttttctc aaccatattt cttctatttt tacaatcatt attaaaatat ttccttaaag   360
aaatacaaat gggtaaaggt attgaaagtc acatttcttt atctgaacaa gtattaagat   420
tgtccatcat ttcaagacaa aggttttctt aacagtgaaa atcacaggaa gaaagtaatc   480
aggtantttc atagatccaa ttatatggna gctgnctggg tttcacattt caaaataagt   540
cgtataggat aaccaagggt a                                     561

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<210> 6817

<211> 546

<212> DNA

<213> Homo sapiens

<400> 6817

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aaaaagacgg ggtctcgcta tgttgcccag gctggtctca agctcctggg ctcaagcgat   60
ctgcctgtct cagcctccca aagtgctgag attataggca tgagccacca tgcccagcca   120
tgtaatcgct ctatcaaact actacttact gtggaaaggg acctctcaat ataactggga   180
agctcatctt ccctaaaatt cccttgttcc tactagccat tagattttat ttttctcctt   240
tactaacagc atttcttagg ttctgcccac ctttatagct ttatagaact ccaaaccact   300
tgacctctta gaagtacagc tctgttattg atattttgaa aatgatcaga taaaatcaga   360
agaagcaaaa gcataatata gtccaagggtg tttcctgngt agtttcctaa actcagaaca   420

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acacaggaaa gtttccctct cttcactaaa atccangcct tcactctatc ttgcanggag 480  
gaggacancc tcagttggat agtaaaaaaa gctttanctt cantttggnc ccttancatt 540  
agctaa 546

<210> 6818

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6818

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taaccaaaca ctcattttct tctaaaatgc tttctctgaa atattttgaa gaacaaggaa 180  
aataaaatct taggatccaa aactcactat gccaaaggaa aagtcaggaa ctgagtcatg 240  
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cctctttaca catgcaacat ctggatgcag tgagtgctaa tccaggcctc ataagggatg 420  
tcttccctca ctgnctttcc tccctttctt tatectccat ctacttctgg ctgggctcac 480  
ccctataaat atnggagtca gcaaaacctt tttggaaaaa gcncaggccc aaancctact 540  
gngacttggg gtcttatect taacttgga aaaa 574

<210> 6819

<211> 531

<212> DNA

<213> Homo sapiens

<400> 6819

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gttatgtatg gaagaatgta tgtaactct ttcaggacat aagcccaaaa gtcaacagaa 180  
 atttgaattt tttttttcta ttttcatgct gaaatttaat tcatcatgaa tttgtttcca 240  
 agggtgaaat tttctttcct caacttttac atgactttgt aataagagca gttgtacggg 300  
 ctcaaaaaa taaaagacgg atgatggagt agagatgttc agtgtaaata tttagtagag 360  
 gggctggcgg cttttaaaatt tgcattctga gctgantgna tctgctgatt tcccatctgc 420  
 taatattttc ccatctgcta aaacctgntt ccangggaaa aaggcctctc tggctttctg 480  
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<210> 6820

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6820

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 aggcattgcac caccatgcct ggctaacttt gtatttctag tagagatggg gtttctccat 180  
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 aaggctcttt acctaagcta aactgactga ccacagtcga caatcttagc taccacctat 420  
 gggacattta atatgagctc tgcgttggtg attactttta tcgctaagct ggtattacaa 480  
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 aactggctcc aaaagcnaaa atgcgggaaa 570

<210> 6821

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6821

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gttatagggt ctacattttt gtcaaagtgt gtcacaaaga tttacgata taaggaacaa	180
tggtactctt gtatgttgtg tgaaattctt caccttattc aagtacaaat ctattgaaaa	240
atagaaaaac taccaagtc attatgccga ataataataa acaacagggt ttatctaatt	300
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agaaacagat aaaactcaaa cgaggtgatt aaaaagaccc caacaggtaa gttttactgg	420
ctagaatgct ttcctttgca ttggcacttt tcagaaaggg gggatttcct cagacctcgg	480
agagggtttc cagtanccta agcggtcatt taanggttg caatgacctg nggaaatttt	540
ncatnttacc cgcagccttg gccgggtact ggaaggcaat gnc	583

<210> 6822

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6822

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taggttgaga cgagagagcg tggaatgaga gaggaagggt tcaattaaaa aatgaaccc	120
cactgcatcc ccctcttgac aggtgggggt agtggagctg acagccgtcg cattagctgg	180
ctttggtgga accctcatgc cttgtgggtc ccccgagctc aaaaagagt attccagggc	240
cagcggacac actcacacat ttttacttgg tgttccaatg cctccccgc agctatttct	300
aataatggta attataatga tttgaggctt aagcagggca attccggcct gaaggcagat	360
tgtaatgaag tagtcagggt gaaggagggt gagaggggct gcagtgggaa gaggctggat	420
ggggcacttt caggccttca atagctttgn ctagtcaagt gcaaccagga tggcctcatc	480
ttttgagccc aacgntttga cttgcaggat attcagaagc ccgtttctgc ttggaaatgg	540
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<210> 6823

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6823

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taacaaaaca gctcttcaaa tcccgacaaa attgaaaaca ggaaaactga ttgcattttc 180
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tgtgaaaagg naaattcccc caggataacc aatcct 576
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<210> 6824

<211> 538

<212> DNA

<213> Homo sapiens

<400> 6824

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aacctccgcc tcccaggttc aagtgattct cttgcctcag cctcctgagt agctgggact 120
acaggtgcac gccaccatgc ccagctaatt tttgtatttt tagtagagac agggatttca 180
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aaagtgtggg gattacaggc gtgagccacc acatccggcc agttagtatt ctttttacct 300
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tctaaatact tctttttaaa accacctatt tcttgactct agttttctctt ccccatcctc 360  
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gactggcttc atgcttcaga attcataccc tggaatncac ctttcccact gntgatagaa 480  
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<210> 6825

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6825

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tgtaaagtaa ctacagaatg aagtattcaa cccacagaaa ggaactgcta acacatgtaa 180  
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acaaaaatcc tcccaattat tttagtaaaa tcttcattta ttcattattt cagaggctga 300  
gcaaattggtt tgtgtaaaca tatcctttgg taacacgcgc atgtttattt tagccatctg 360  
aagacttctt ctatgtttac ataagccatc agacacatac aaccactcac ttggtggctt 420  
tgcgttttct tgaaanggtt gaaggagag aagagagaat ggaaccatta aatcaggttc 480  
tcttttgcac aaagccttcc tttaaagggt taaaaaagct tatgttaaaa tatctnggat 540  
gggccttaag tttcttttta attcaanaa 569

<210> 6826

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6826

caaatgaaag tatattttatt ttataaatg tttcctccag taagtttatg tttgactgta 60

cttagaagaaac agggaaaaaaa aaaacctgta attaaacttg tgccaagatt aaccaacagc 120  
 ctctactgct tgtttcccat tattacaggt tgggtatccc ttatctgaaa tgcttgggac 180  
 cagaagtctt ttanactttg gtttttttgt gtgttttggga atatctgtat tatatttact 240  
 agtcaagtat cccaaatccg aaaatccaaa acctgaaaag ctctaagag cattttcctc 300  
 cagtgtcatg tcagtgttg atatggtttt gctctgtgtc cccacacaaa tctcatgtca 360  
 aattgtaatc ttcgggtgtg gaggggggc ctggaggag gtgactgaaa catgggggca 420  
 gacttcccc ttgctattct gggtagttag tcttgganat ctggggttg aaagtgtgca 480  
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<210> 6827

<211> 565

<212> DNA

<213> Homo sapiens

<400> 6827

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 ctttccggcc ttttctcttt cacacggaag agcttaccta taaaaggctc ttgataagct 180  
 ctcttgaccc ccaagtttcc tgggcagggt tatttgata gtgctattac tccaactttc 240  
 ttcttctct tctgtcata aatcaaagcc acctgacct ttgcgccga cttttaaac 300  
 aaacaggctc cttttctttc ttcagccagg tcacaagaac tgcctatggg ctaatcttga 360  
 gagcatgttt ttcttggctt gaggcctggg agaaagagca gagggtatat ctcaaaggca 420  
 actagagccc gagattgtca cttgaaaatg cgccagcctg ggtgtaaaaa gaatccctct 480  
 tttggctctc ctcaattggg aaaacccaag nggtcctcaa aggtnacact ggatttacac 540  
 cgggtncggg nccgggganc tttcc 565

<210> 6828

<211> 573

<212> DNA

<213> Homo sapiens

<400> 6828

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aacatgattt gttttacttc ataaattggc aatacaagtg ctaggatgac aaagatctat 60
tcttcatgat catgcaatga acagcagtta gtcaatgttc aatttttctc tacttcaaac 120
ttaatagtcc caatcgagaa tgtaattttc aaattagatt aaaaatggcc ctggtccttg 180
gagaaaaggc tgattctagg acaagggcat gaaatataca agatgaactt gaagcatctt 240
gtagtgccag aaaggaaatg cttaaaaaca aacaaaaaga cccacaatg acaacaacag 300
tatatatgtt aaacacagga ggccaggcgc ggtggctcac acctgtaatc ccagcacctt 360
ggaggccaag gcaggtggac cgccaagct caggagtcca agaccagcct gagcaacata 420
gcgaaaccct gtctctatca aaagtacaaa aaattagcca ggcgtgatgg aacatgcctg 480
naagtccaag gtattcaaga agcttaagtg ggaaccttgc ttgcattcca ggaaggggga 540
ngttccnnga gcttagaaaa tgnnccttnc ttc 573
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<210> 6829

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6829

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ggagacaggg ttttactctg ttgtccaggc tggagtgcag cagcataatc atggctcact 60
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ccacaggcat gagccaccat gcctggtgaa tttttaattt tctgtagaga cggtatctca 180
ctatgttccc catgctggtc ttgaactcct ggattcaagc aatcctcccg tcttagcctc 240
tcaaagtgtc gagattacag gcatgagcca ccatactggg tccagaataa attatcttta 300
aagaaaagta gggtcataag ccagagagaa taaatacaca tgtcattgat aattagaggt 360
atgaaactgt gggaaaagaa ttaacaagag tcatctacca tagagaagga agcagctgct 420
tgttccagta atcccacaag tcctgactca agtaaaggat tttccagagc agatccttct 480
tcatctngga gatcccatn atntgagaac cgcagaatct ttttaaaaca ttngattgaa 540
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aaantttgga aaggttccca ttnccccagg aagaatt

577

<210> 6830

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6830

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 gagtctcact ctgtcaccag gctggagtgc agtggcatga tctcggctca ctgcaacctc 180  
 cgcctcccgg gttcaagtga ttctcctgcc tcagcctctt gagtagctga gattacaggc 240  
 acacaccacc acaccagct aatTTTTgta tttttagtag agacgggggt ccccatgtt 300  
 ggccaggatg gtcttgatct ctgacctca tgatctgcct gcccagcct cccacaatgc 360  
 tgggattaca ggctgagcc accacacctg gccaacatct atctcttaag tccacgatga 420  
 tttctgggga tcttgnccat ccacaggttt tactggaaac cgnaaactat ntaccggcnc 480  
 ttgnaaatgc nggcagnt 498

<210> 6831

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6831

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 taatagaagg ttagcttttt ttgttgnttt tttttatatt tttgcacatc ctttttact 180  
 ttacagtaca tttgactata gtgcacaaca tgattccgag tcaaaacagt ggcccatagg 240  
 gcactgagct tctgattggg gtagggcagt ccaatcagtg ctgggtgtcac tgggttacct 300

caaccatgtc cggccaaaat ggcactaccc agtggtagtg aaccatctaa ttaaaaccaa 360  
aactcccca gggaaaatgc tacactatca gagtcagtct tgagtcagat ctttatttgg 420  
ngtccatcc agatatattt tagngctttc tctttacgan gngagtatgg tacacgatgg 480  
cccagctttt tggagtcnac tgggtttctt tttttaatta gtcaatttnt ttngnt 536

<210> 6832

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6832

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gcaagctccg cctcccagggt tcatgccatt ctctgcctc agcctcccgg gtagctggga 120  
ctacaggcgc ccaccaccac gcctggctaa ttttttgtat ttgttttagt agagatgggg 180  
tttactgtg ttagccagga tggctctgat ctctgacct tgtgatccgc ctgcctcggc 240  
ctcccaaagt gctgcgatta caggcgtgag ccactgtgtc cggcctaatt tttttatat 300  
tngngtaaaa tatacacatg aaaatttcca ttttagccat tttacgtgt acaattaagt 360  
ggcattaata gacaatgtgc aacgggtccat ttccagatct gaactattct atcatcccaa 420  
actgaaactc tgtatccatt aaacagtaac tgatcattgc ctcttccccg taacccttgg 480  
taacttctat ttctggctct atgaattggc tactccagtt acctcatatt aggggaacat 540  
ccatattgnn cctttgggggt tggg 564

<210> 6833

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6833

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cagtcttgac ctcctgggct caagcgatct tcccacctca gcccceaagt agctggagct 120  
 acaggcatgc actaacatac ccagctaatt tttgtatfff ttgtagagat ggggtttcgc 180  
 atgttgccca gactggcttc aaactcttgg gctcaagcga ctagcctgcc tcggcctccc 240  
 aaagtgctgg gattataggt gtggccacta cacctggccc attgaaatat cttgaagtgc 300  
 attagccatt caacacagct agcacaagat ccacactaat cacttacaaa tgttagtgtc 360  
 accatgcaat ttttatcact aaatttattt gtaaataatt ctgccttatg ttatgtaaaa 420  
 ctctctaaag gaatgtgaaa atgattataa atcatatcac aattaagaat gaggaacaaa 480  
 caacacaaag aaaattattt taagaattac atacccttac cattacaat agtggaccat 540  
 atggttatag taaatcacat taat 564

<210> 6834

<211> 338

<212> DNA

<213> Homo sapiens

<400> 6834

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 tgcagtggca cgatcttggc ggctcactgc aacctccacc tcctgggttc aagtgattct 120  
 cctacctcag cctcccaagt agctaggatt acaggcatgt gccaccaagc ccgactaatt 180  
 tttgtatttc taatagagat ggggtttcac catgnggccca ggctggtctt gaactcctga 240  
 cctcaaggga tccactcacc tnagtttctc aaagtgctgg gattacaggc atgagccact 300  
 gcgcctgacc aattntngna tttnnattag agacagng 338

<210> 6835

<211> 569

<212> DNA

<213> Homo sapiens

<400> 6835

cttttctttt gagactgagt ctcattctgt tgcccaggct caagtacagt gacacagtct 60  
 tggctcattg caaactccac ctaccaggct caagcaatcc aactgcctcg cctcccaaa 120  
 gtgctgggat tacacgcata actgccttct tataccatt ttacttcaa ttctcatgag 180  
 aatagcttct atgattatgt gtccctttga tagaataaat tatgttgaca gatttcctgg 240  
 taaaaaatca tcattacatg tctgaaataa actctagtgt tgatagtcta gaattctttt 300  
 gatacaatgg cagattcaat ttgctaatat tttattttta cttttgaatt tatattagt 360  
 agactgatct actggtttct ttattaaact gntctctggc ttctttatct tcccctgnat 420  
 aaaggntctt attttgattc acaagggtgt tctttaagtt tntcaaaaa ggataaacta 480  
 gnatctcctt tcattctgac atggtggang ggcccttggc tganaccang gtcctggant 540  
 ggaagtnttt ggcaccgggg aacggnntc 569

<210> 6836

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6836

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 ctctcccttg acccactagg gagagaatga gggagagaga aagaggtgaa acttacatta 180  
 aacaccctt cttaccattg ggaaacttcc cttcttatta ttctttggta attttttaa 240  
 aatatcatca tcatatctga aataatatgg atcatcagaa ttgcttgat acattttttg 300  
 acatgcctaa tattctggtt tttatggaaa atacatttgt ctagttaga gtttcctaaa 360  
 gtatgctata cagaatatta gtaaaaatta aatgaaaaaa taggacaaa tccatcactc 420  
 ataaatccac ttttagagat gatttaaagt gtaactaat gatttcaagg catggtttta 480  
 agcctgggaa ccccttattc aagcttacc aaaatggtat gaancaggtg gaaacatgga 540  
 actggtctga agnggtggca aggggggna 570

<210> 6837

<211> 571

<212> DNA

<213> Homo sapiens

<400> 6837

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atgtataaac aggtaccagt tttgatttta tttaatcatt tcatacatta acatacatga   60
cacatcaaaa tgagaaatgc acagtttaac cgttcaacag ctggccttac ttcaaaagaa  120
cactatattc atattaaaca tttacagtct ttccatctaa ctttacacat gtcctaaatc  180
atgttccagc acttctcaca tagaagtcta gttttgctct ttaaaatcac catctgtatc  240
acccttagta gaaacgaggg tttccccaat tacatgctga agagagccag ccaccacccc  300
acctaaagac atccaagcag ctccagagcc tgcctccgag gccacccctt cgccacggca  360
gtctcgattc caagaactga ttatctgaca ctagtgaacc agcactaaag gctgtaggat  420
gtgactacat cacagttcca gaaggaaggg gaccatggcc aagagaagcc ctaaattgaca  480
gaagctcatt aaaancaagt ccccaaacct tctggaacat cgtagcaagg agcttctggt  540
ttccttctta acatngtttg gctgaccccc n                               571

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<210> 6838

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6838

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gttttactaa aatggctcttg ttgcaaaata ataacaaata ccacagagag ccctacatga   60
gaaagccatg tgccttcaag cctggggatg aggactctag ttctcaaatt cttagaacat  120
agcacatgat tctccagggc agagaggctg gctggagaat gaggacctca ctgctgactc  180
tgcttaacaa agtccatgcc ccaggcacag gcacacatgg aatgaggcca ccaagcaagt  240
cacaccacc cctgttccca tgaaccccat aagagagaag tgctctctga agtctacaga  300
cttggcaggg accactggac catggatagc ttagagacag ttatctgtg gccaatgaca  360
taaaacctcc agaatctggg ccctacagtt cccttatcca aatttccact aactagggag  420

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gtagaagagc aagacatgga agttgtctcc aaaccagtat ttggtcttca gtaaacaggg 480  
ataaacataa aacactggtt cacaagcaga cticanactt ctgggcacag caggtggaaa 540  
aatccttaag tcccactgac caccttccac aggag 575

<210> 6839

<211> 580

<212> DNA

<213> Homo sapiens

<400> 6839

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tggtcaactc caccacactt cactctcaaa ggaaaggcac agggggaagg aagtgagtga 180  
gggggctcag aagagtctgt gtggctccta ccaccccaaa catattctgg tttcccgaag 240  
ataagaggca aggccttctc tgatctttcc cagttctcag agtccagcag gccgctgtgc 300  
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agaggctgga agcctaagag ctatattcct cagaatttcc tgccagccag gatttgcttt 420  
aaagtccact aatgagaggc acttctagaa accatgattc cttcttcagc agtggcagac 480  
agtaggcatg aaggttttgn aacatcttct gagcanttcc cagtccataa tctgnttttg 540  
ggcttgttgg aacttganac ccttngccgg gagttttttn 580

<210> 6840

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6840

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caacctctgc ctatggggtt caagcaattc tcatgtctca gcctcccag taactgggac 120

tacaggtgtg cactaccacg cccatctaatt ttttgtatatt ttagtggaga tgggtttcac 180  
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 aggccatctg ctaaaagtaa gaacagataa atttgagatt tgaagagaat aaagggtttaa 360  
 aattactgct atagaaagcg ggagaataag ttgaaagtag aaatttcaca ggattaccag 420  
 gcaacattga gacctgaggg ttggtgatca agaatttaga gaggnattat cccctcttnc 480  
 ataatggng aactttcttn aagccatatt tacacagaca gttgggctta caaaggcttg 540  
 gggtttttca ggcnaatggg ncccaaaacc aggggn 575

<210> 6841

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6841

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 ttacaggcat gcactaccat acctggctaa ttttgtatatt ttagtaaaga cagggtttct 180  
 ccatgttggc caggctggtc tcgaactccc gacctcaggt gatctgcctg cctcggcctc 240  
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 aagcttcaag ttttatcttc taagatatgt tccaaagatg tatgttttta aataggatat 360  
 attccaaaat atcttactta aatgcttcaa gtatatcgta agtaagtat aaatcacatt 420  
 ttaaaataat caaatgtggc tgggcatggt gactcacact tataatctca gcactttggg 480  
 angcttaggt gggaggatcg cttgagccca aagttcaaga ccaacctgng caacgtatgg 540  
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<210> 6842

<211> 566

<212> DNA

<213> Homo sapiens

<400> 6842

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gggggtgggg ggcagagtct ccctctgtcg cccaggctgg agtgcagtgg cgcgatcttg 60
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gctaggacta caggcgtgtg ccaccacgcc cggcaaattt tttgtatttt tagtagagat 180
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ttaaagtca accatgacag ggcagatgag acaaaactaaa attacttttc atttcaatta 360
tcaaaaacaa ttagatctat ttcaagaaaa tatttttgct aagtaaattt tcttttaata 420
gctttaatct tataatacac atacatattt aagaatttag tggatcaca aaataattat 480
tttattattt ccacctaaag gataatgagt ttggctaata tagtctnggg gttnaaattc 540
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<210> 6843

<211> 503

<212> DNA

<213> Homo sapiens

<400> 6843

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atgccagcc taaagctgat ctttttaaag aggaaaaaca aaccaaccag gggcctgagg 180
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agcacacgcc acagacagca tggcccatgg cggcctcgga ggaacttgaa agggtcctgg 420
gtacagtga agtnggaaaa gaaggggcag gaatcccagc ctggccancc canatgggaa 480
aaccannntt cggggcctan gcc 503

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<210> 6844

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6844

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caagctccgc ctcccgggtt catgacattc tcttgcctca gccacccgag cagctgggac  120
tataggcgcc cgccacaacg cctggctaata tttttgtatt tttagtggag acgggggttc  180
accatgttag ccaggatggt ctcaatctcc tgaccttggt atccaccacc tcggcctccc  240
aaactgctag gattataggt gtgagccacc gcgcccgcacc caaaatcttc tttattattg  300
nttttttatt tttatTTTTT gagacggagt ctcactctgt tgcccaggct ggagtgcagt  360
ggcgcgatct cggctcactg caagctttgc ctctgggtt cagccattc tcctgcctca  420
ggaggtcaag atcancccg nttgacatatt gaaaccctgg ntctatattt ttaccaatna  480
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<210> 6845

<211> 568

<212> DNA

<213> Homo sapiens

<400> 6845

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acaaactccg cctcccgggt tcaaacgatt ctccgcctc agcctcccaa gtagctggga  120
ttacaggcat gcgccaccat gcctggctaa ttttggtatt ttcagtagag acagggtttc  180
tccatgttag tcaggctggt ctggaactcc cgacctcaga tgatccgccc acctcggcct  240
cccaaagtgc tgggattaca ggcgtgagcc accacgccc gcctaaagaa atctttaaaa  300
atattttctg gtgctctaca tgttcagaga aatttcteta gtaatgaact atagaaatga  360

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ttcctgaaag tacagtctta acagcaccat ttaaatacagg ggtcctatgt atggtcataa 420  
 ctagccaggc ttttaagaggt ttgcagctna cacaggcgaa ataaaaacca ggagtttggt 480  
 gtgcatgaat acaaaattgg ggnaagggtc tgaagaaaaa gtccatggcc tcatcatatt 540  
 cccaagaagn tgnagcncc aaaaannt 568

<210> 6846

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6846

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 accacaggcg tgtgccacca tgcctggcta atataatttt ttttttttt tganatggag 180  
 tcttgctng ttgccaggc tggcttgaa ctcnggcct caagngatcc tcccaccttg 240  
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 taaaacagac tatcagaaaa gaaaagtta gagaaattgt ggaaacatgc cttagggttag 360  
 ggccttccca gcttgccgtg agagggccct gcctgcctcc gcacttagga agcacaggcc 420  
 cgtcagggtg gaatgtcccc ggcctgtctt ctccctntca naacaggcca ccattatttt 480  
 tctttganat ttggctacac tggctttttt aancctcttt tggctatgct taangctntn 540  
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<210> 6847

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6847

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caacctctgc ctcctgggtt caagtgattc tcctgcccc a gcctcccgag tagctcggat 120  
 tacagggtgtg tgccagcaca ccaggctaatt ttttgtatit ttagtagaga cagcgtttca 180  
 ccatgttagt caggctggtc ttgaagagaa ggatacattt tttaaattac ataattaaga 240  
 gagaccttgt gctataagag aaacaagact gacaataatt ttaaaaaaca gcataacatt 300  
 ataagttgta ctagtttggg aaaaagcaca actctctccc ttgntcctta atttagcttt 360  
 gatgttatga cacatcatat aaactgcagt attccatgta agttaagcac aaccaatta 420  
 ttacctgaa taaaattaag gccaaacaaa atggaaaaca tatttgccat ctaatatitc 480  
 catggtnggt ggtaagggt catgaagctg ncntattgaa gaaagaatca gaattgtaag 540  
 gcaaaaatag gtctaagtta gaagaatgcc tttgggaa 578

<210> 6848

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6848

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 aagcaaactt caagtcagtg aattagttac cacagttaaa atgcatttga tttgtcctt 180  
 ttcctttttc acaagaacga cagctgaata ctctttcatg tgatgcctga ttttttctt 240  
 tttctttttc tctctttttt gagacagggt ctttaagatg gggctctgct ctgttgcccc 300  
 ggttgagtg cagtggtgca atcttggtc attgcaacct cagcctcctg ttttcaagtg 360  
 attcttctga ctacgcctcc caggtagctg ggattacagg catgtgccac cgtgcccggc 420  
 taatttttgn attttttagta gagaaggggg gtttcacat gttggccagg atggtctcga 480  
 actcctgacc tgaagtgatc caccgcnctt ggcctccaaa ggctgggaat anccngtga 540  
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<210> 6849

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6849

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aaggtattta ttaaccttag tagatgacta aaggaagaaa cacacataca aaagtctggt   60
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cactgttgca aaatggcttt ctctccact gaccaggttt ctcatgccca ccctttgcta  180
ggtaaagagt agtaaaagag aaaatggcca atgaaaagga gggggaaaca ctttttaaaa  240
ataactatat tttcaggaca ggctctgtgt gagatacact ctaacgtggg gacacgccac  300
agtcctcagt ggccctgcc catcctccca actcactgta cagaaacact ctatggaggc  360
caatatttga ttctagaagc cagtgtccct caaccaact tctgcaactc cataccaac  420
aaatgatgct caaaaacaaa agcagctatt ttaagatcac taaacactgg ctggtgatgg  480
caaaactggg gctttcctta ttctttctt cattttgctt ttatcaggcc ctggccttct  540
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<210> 6850

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6850

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gagttccagg atacagggtc agagtgtgga ggtttggttac ataagtagat gtgtgccatg   60
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ttgtcctaat gctttctctc cctcaccba ccaaccgccc tcaagtcagt tttctaagag  180
tattaatcaa gaaaccatct cataatcaca ccaaagcata tttctacaca agatataaaa  240
tactaggata tttgctaaag ataaatgcat gccatacact gtaacaatgg aaatgacttc  300
ctacaggata acaatgctaa aattaaactc tttgtaatta gtaaagatga acatgtgggt  360
aatatattgt atatattttt taaactattt ttgcctcag taaagagaga gcttagatac  420
cttgtgtcat aaaataataa agcaaaaata acatttctat gtgaacattt ttaaaggttt  480

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taaaattcat cctgggctgg gtgtaatggc ttgctcacc c tgtaatccag cactttcaga 540  
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<210> 6851

<211> 578

<212> DNA

<213> Homo sapiens

<400> 6851

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cattaggtat atctcctaata gctatccctc ccccgacccc aaccccacaa caggccccgg 180  
tgtgtgatgt tccccttcct gtgtccatgt gttctcattg ttcaattccc acctatgagt 240  
gagaacatgc agtgtttggg tttctgttct tgtgatagtt tgctgagaat gatggtttcc 300  
agcttcatcc atgtccctac aaaggacata aactcatcat ttttatggct gcataatact 360  
ttttcatttg tttgtataat ctctgatctc tttcagcagt gttttgtaat cctcattata 420  
gagagctttc acctccctgg ttagctgnat ttctaggtat tttatTTTT tttgnacata 480  
ttngaatgg gaatngttc ctttaattggc tctcagcttg gatggtcttt ttatacangg 540  
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<210> 6852

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6852

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atctcccagg ttcaagtgat tctcctgcct cagcctccca agtagctggg attacaggca 120  
tctgccatca tgcctgtcta attttttgta tttttagtaa agatagggtt tctccatggt 180

ggtcaggctg gtctcaaact cccgacctca ggtgatccgc ctgcctcgac ctcccaaagt 240  
 gctgggatta caggcctgag ccactgctca tggccagttc tttcattttt tgagtttctg 300  
 tttctgatct aaagtttacc actggtttcc aatttgtttg tgaagcagag aatattgaca 360  
 cacttttagt tgcttgcata attcattcct ttcctataag attatagact cttcctatatt 420  
 ccccagatcc ttttaaaggt ctctaacttt tgaaagtttg gtacataact ggtcatactg 480  
 nacacatacn nggcacaata accatcactg agtanaangg taatcnttca ctaatagccc 540  
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<210> 6853

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6853

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 gaaaataaca taataacaac aataatgaac aaagcactta gcatgtgcca ggcaactgttc 180  
 taggtgcttt tacctattca gtcattactt ttcacaacag ctctgtgagg taagtactat 240  
 ttcatacaaa ctttttcttt tggagaggga gggaggagg gagggagaca gcacctgcgg 300  
 gagactgggc aggatctctc ctatgaagtc agaacaacta ttgcctgtgg caaagtaccc 360  
 agcactgtct ccactaagc ctactaatt tatcttagtc tgtacatgta agaatcctct 420  
 aatacaccaa ccttggaaca gtttctcatt ctcgntcaag ggtttggaan gtgagcagca 480  
 agctgctttt ggangcacta aacttgggng gtgctgggat ataaagcctt cccagatgcn 540  
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<210> 6854

<211> 486

<212> DNA

<213> Homo sapiens

<400> 6854

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gcaagttaaa ttacatttat tatataaaga gatcctataa cttgatacga aaaacaaagc 60
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accgatagca cacaaatatt caacctcatt aataatcaaa ggattaggat gcacttcttg 180
cttattcaat aaagttaata atttctaatt tttctacttt tcaaattgtac tcaaattgtgc 240
tatttttagt aataaaaaac tgagtaatta aaaaaacata gaaagtatga aaatttctgc 300
caatgcagaa atcataaaca gcattaaaat gaatcaacac ttgtatgggc agtaagggtc 360
agaccctag aagccaattc attttgcctt ggttcctgag ttttattatg ggattgtcaa 420
taaggagaaa gttgttcctg atttacctgc tgacaatcct ccaggtatag ggggggggng 480
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<210> 6855

<211> 573

<212> DNA

<213> Homo sapiens

<400> 6855

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cccaaataca acttttatta tccaaaatca tcttgaagg acttttcta atatgcccat 60
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acttttctt catcaactta gggcctgggt tgtaggcact gtggctcttt gggatagtta 180
aatgggtgca atttggtcga gaccgcccct gtcttaaatt gccagggcta cagggttcgc 240
caaatggctt tggtttgcaa cctcttcctt tgatatccat tgaagaacac atgtcctacc 300
ctcttgattg caagcttcta tctgctattg gctatcagga gcataacaga taagttctaa 360
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ttactgagga atctcttcca ataacatatg atatataaag gtaattgtga ttctatgaag 480
agtgaataaa aattgaaaac aaaaccatct ggttaaaact attaaatgaa gttttaaaaa 540
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<210> 6856

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6856

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cacaggcata caccaccatg cccagctaata tttttttttt tttttgtaga ggtggggggtt  180
tcacatatatt ggccaggctg gtctcgaact cctgagctca agcgatccac ccacctaggc  240
ctcccaaagt gctgggatta caggcatgca ccaccaggcc cagccacatc tgattttagg  300
gggattcctc tgaacacgtc accagtcagt gtgagatctg catgaagtat ttggttgaga  360
gcccttatct ggtgaaggaa gatccctact attcttaatt tgctgagggg ttttataatc  420
aaaggagatt gaattttatt gacttccttt tctgcatcaa ttgagatgat catttgggtct  480
ttctccttta atctgcaatg tgggtgtatt ttgtaataga tttttgatg tggaatcatc  540
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<210> 6857

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6857

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tacagcccc tgactcctgc tacccaagaa ggccatcctt tcctgcctgt gatactccgt  120
ggcatctgtt ctgccagagg actgaccctt tgtgctccac atatgttttg ccaggaaaca  180
cttatctcag ccacaaaccg tccctgtcct caaaagact cagagctgct tacaaggggc  240
tgctttggtc agtcagctgt tagtcctggg gctcttgctt cctctgtggg ggtagcatca  300
gtcaccctaa agttctcagg ccgccgctag ctagtgagtt acaagatttt agaaaccagc  360

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tcttgtccac agatcctcag gcccttggtt cttggatcca gaggcgtctg aggtatgttc 420  
 acaggcacct gctgctgctg ctgctgctgc tgcctgctct gctcttgccc tcagtccccg 480  
 tctttccacc tgggtccct tgcactttca tgcctgangc tgcactgggtg gccaaagtcta 540  
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<210> 6858

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6858

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 caggcgagca ccaccatggc cagctaattt ttctattttt agtagagacg gagtttcacc 180  
 atgttggcca ggctgggtct gaacccctga cctcaggtga tccacctgcc ttggcctccc 240  
 aaaatgctgg gattacaagt gtgagccacc gtgcccagcc attttttttt tttttgagac 300  
 agggctcttg tctgttgccc aggctacaat gcagtggcgt aatcatggct catgcctcct 360  
 caccctccca ggctcagatg atcctcccat ctcagcctcc caagtagcta ggactacagg 420  
 tgcacgttgc catgcctggc taaattttgn gttttttgta gagatggggt cttgccaaagc 480  
 tgcctaggct ggtctggaac tcctgggctc aaatgatctg gccacctnag cttccaaagt 540  
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<210> 6859

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6859

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cagccacctc atcagactaa ttttttttct ttttttgaag agatggggtc tagctatgtt 120  
 gttcagactg ttcttgaatt tctggcctca agcaatcctc ccacgttggc ctcccaaagt 180  
 gttgggacta caggcatgag ccactgtacc tggcccaaag gctttcttga cctccagtt 240  
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 ggcacttcat cctatatgcc ttgtggcagc tcttagagta ttattttact gcacttttat 360  
 ataactcatg aattgttata tgaaatttct atggatgata agtccagcaa aaaggaatat 420  
 ttaattttta attngatct gattcatata tcatatctct ncaattacag gctcctggga 480  
 agtggttaaca ggggctttna gcttcctggg attttccaat ggacttacac cccagtgctn 540  
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<210> 6860

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6860

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 ggattacagg catgcgccac catgccctgc taattttgta ttttagtag agatggggtt 180  
 ctccatgttg gtcattgttg tgttgaactc ctgacctcag gtgatccgcc tgcctcggcc 240  
 ttccaaagtg ttgggattat aggcatgagc caccatgccc ggctaaagcc cagtctcttt 300  
 attacacat gtggattcct gactgcttta tgtgggaccc aatccttgtc acctccagca 360  
 acccctctgc ttgtcctgca tggatttgcc tgcctggaag tagggctgtg cccgtgcctg 420  
 tgcccgaagc ctccctcctg aacangctgg actcacgcat tgaggtctgc gcctttcttc 480  
 aacaggtagt anatgcaggg gaagggccac ngtggtggtt gncctgggg atgacaaggt 540  
 caagggtgnc tggcttntgg tgggcaacaa gnnc 574

<210> 6861

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6861

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gggctcttac aaactttatt ttacctccat ttagcactgg tttcaccccc atggcactgt   60
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acacctttgc tcttgccatt accttagatt ctatgccctt ccctcctttc tttacctgtc  300
taaatectac ctgtcctcta gagctgggtc aaggccagct tctaccaggg agcctacagt  360
gattgntcct tccttggaa tccctcagcc tttcctagtc atcaacattt cctgggggtgt  420
ggagtgtttt cctacagacc aggtatccca aaggttgggc ccaagtcttc cgntgcaaca  480
aggcatgcca atggggagga aaggagacag tgcttggaa ggaaggagat cctgaaactt  540
tggggaanaa nanttggggn caaacttaat cagaaagggg gcctnt                    586

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<210> 6862

<211> 582

<212> DNA

<213> Homo sapiens

<400> 6862

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TTTTTTTTTT TTTTTTgag acggagtctc gatctgtcac ccaggctgga gtgcagtggc  180
gcgatctcgg ctactgttaa gctccgctc ccgggttcac acattctcct gcctcagcct  240
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agtagagacg gggtttcacc atgttagcca ggatgggtctc gctctcctga gcttgtgatc  360
cgctgcctc ggtctcccaa agtgctggga ttacaggcgt gagccactgc gccagcctt  420
tattttattn tattttatTT ttgagacaaa gtctcactct ggtgcccagg ctggagtaca  480

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gtggtgngat ctcggttaac cacaaccttc accttcctgg ttcaagggat tctctggctt 540  
aancttncca agtagctgga attaccgggg ccgggcaaca ac 582

<210> 6863

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6863

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ctgggattac aggcattgcac caccacgctc agctaatttt gtattttgag cagagaaggg 180  
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tgcttaaaca gaaacatata tttcatgctt tggtttaca gttatatggt aagcaccgcc 360  
ctccccaacc aaaggaaagt ctaccaagt actagaaaag aaagactgaa aaggaacaag 420  
cacgttaaca tctctttgga tctataaaaa ggtattcact caaattcaag acttttggan 480  
gggttttggga ataaaaatgg tttgnaaggg cacaagtgga aggttaaaga nggaaggaaa 540  
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<210> 6864

<211> 585

<212> DNA

<213> Homo sapiens

<400> 6864

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acagccgtgc gccaccacgc ctggctaatt ttttgtattt tagtagagat gtggtttcac 180

catgttggcc aggatgggtct cgatctcctg aactcgtgat ctgcccgcct cggcctcccg 240  
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acttacccea aactcagtaa tgctggaagc gccatactta ttgcaaaaag tagcaggact 420  
cttgctcccc agggttggca agatgccagc aacaggattc caaaagccca cggaaatgct 480  
ggcttcacaa ggcccaaagt cccaangnc ttaaccgaac nttttcctta aaacactggt 540  
gncccttaaa aaaacttaaa ataagctttt gncccaaana gaaat 585

<210> 6865

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6865

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tgccttttgc atttttcaat gctgacatgt ttcagtaaaa ctttgactaa ctagaatact 180  
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caaagctgct aactgcttat cactcctttc tctagctgga aagcagcacc tntcagtatc 420  
cctgaggtag ctaaacccta ctactctctt caaaaattaa tttggccttt taagcaanaa 480  
accctggant cttatcangg ggacaaacca aaggtcctgg gggccanaan ccttaacntt 540  
taatccttaa aaccttcagg gttaattcc ttcaan 576

<210> 6866

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6866

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gcaacctccg	cctcccgggt	tcaagcgatt	ctcctccctc	agcctcccga	gtagctggga	120
ttacaagcgc	ccgccaccac	accagccaa	tttctgcatt	tttagtagag	acggggtttc	180
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atacagctag	gaagtcagga	ttccaacttg	aaactctgat	tccagaacct	gtgagctgaa	420
ttccattcct	ccctgnttct	ctctttcttt	tgctctcttt	gctacactgn	agcacatcag	480
tggccacgct	gatcttcgaa	gttcctcaaa	cgaccttctc	ttctggccan	aaaaaagcct	540
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<210> 6867

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6867

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tacagacacc	tgccaccacg	cccggcta	ttttttctat	tttcagtaga	aaaggggttt	180
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ccaaagtgcc	gggactacag	gcgtgagcca	ctgtgcctgg	ctatacttgt	ctttaacagt	300
ggtaggaaaa	catatgggat	gataagagtt	tttaagggtta	aatgaaagca	cctaagaaat	360
tatctaaaag	tacttcaata	ctttatggat	gagaaaacaa	acgaccagag	aaagttacgt	420
gactggccta	agattngta	aataaagtct	acctctacta	atccctgggt	caatgatatt	480
tctctgggtt	ggnaanggct	ncntttanta	atcagtacca	accaattntg	atctgggaaa	540
aaaggaaaaat	gaaaaatttt	aaggctaccg	ctcn			574

<210> 6868

<211> 576

<212> DNA

<213> Homo sapiens

<400> 6868

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cctcattatt attatttaaa gaaagctagg acattttcac tttttttta agaactcttt  180
tctaatacat atatgctaga aactgagaag gaactcttca ttgattatta tttcttcttg  240
gactcatgag ttatttagaa gaatgtttct taatttcaaa atttgggaaa atatataata  300
gttttttttg tttttgtttt tgnttttatt gatcattctt gggtgtttct cccagagggg  360
gatttggcag ggatcatagga caatagtggg gggaagggtc gcagataaac aagtgaacaa  420
aggtctcttg ttttcctagg cagaggaccc tgcggccttc cgcagtgggt ggggtcattg  480
ggtnccttag attagggagt gggggatgac tcttaaccga gtntgccggc ctttcaacat  540
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<210> 6869

<211> 583

<212> DNA

<213> Homo sapiens

<400> 6869

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ctacaggcac gtgccaccac gccagctaa ttttgtatt ttttagtaga gacaggtttc  180
accatttttg ccaggatggg ttctatctct tgacctcgtg atctgcccgc ctcggcctcc  240
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<210> 6870

<211> 577

<212> DNA

<213> Homo sapiens

<400> 6870

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<210> 6871

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6871

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<210> 6872

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6872

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acaaaaattg ctttttgctc aatcctagac cactccattg cctcacaag aaagtaaca 420  
tgtgctacag agaaagaagt gcctaaagg gttgnactgc aaanacctg gctattaatc 480  
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<210> 6873

<211> 588

<212> DNA

<213> Homo sapiens

<400> 6873

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ttaaagctt aagccaaacc taatcctaac tgacacacat gccaacagca ttcagaaagc 480
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<210> 6874

<211> 579

<212> DNA

<213> Homo sapiens

<400> 6874

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<210> 6875

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6875

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 cctacagccc cgtccccagc tgccactaat ctgatttcta cctaaatgag cccaatttct 360  
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 tctcaggctt cccatcagtg gattagcagg cttccattag aactgacacc cacgcacact 480  
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<210> 6876

<211> 586

<212> DNA

<213> Homo sapiens

<400> 6876

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gtaaccatgg ttctcaattg ggcaattttg cccctttctg ccacccgggg tataattggc 180  
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<210> 6877

<211> 589

<212> DNA

<213> Homo sapiens

<400> 6877

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<210> 6878

<211> 584

<212> DNA

<213> Homo sapiens

<400> 6878

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tacaggtgcc cgccacacgc ccagctgatt tttgtagttt tagtacagat ggggtttcac  180
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aatctgggtc aaagagttta acaggccttt actaagagcc ccttttttga gagtncagtt  540
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<210> 6879

<211> 575

<212> DNA

<213> Homo sapiens

<400> 6879

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aaaattcagt taaaaaagtc attaaactag cattctgtaa agataattat taaacaaatg  180
gtaatgcatt ttactcctt atttcatttc taacataccc aacgtcactt ctttcttgtg  240
ccatacagta ataaaatgta acagaaatag atatctatta aattttgggg gcctaataaa  300
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cacttagaaa ctctaaaaga aatacatcag agccttggnn taacattgta ggggacatgc  480
tgtgaaactg ctttaaaacg nggngtgnca tttggcncag gagtaatgaa ccggcntgag  540

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gnggcctcaa aaaagccctc ttaaattggaa ttgnt

575

<210> 6880

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6880

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<210> 6881

<211> 574

<212> DNA

<213> Homo sapiens

<400> 6881

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 aataaagacc tgggctatga tgactccagc cgggtctgcg ccacaatggg tggagtgtc 480  
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<210> 6882

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6882

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<210> 6883

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6883

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<210> 6884

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6884

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actgtcaggc aagctaccat gtagttctcc ttgactccat gcttagctct ttcagacttc	180
ccagtaatta cgaagggtca catttttggt cagctttgcc cagtgtgtc attcataata	240
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agaattgctt tctggattca ctgtagcag ctcttcatct tcacctttgg caatgtaaga	420
agtaaaaccc gccatattct ggctcccagc cttcacagcc ccagtcnaga aattaagtct	480
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<210> 6885

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6885

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<210> 6886

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6886

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<210> 6887

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6887

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<211> 544

<212> DNA

<213> Homo sapiens

<400> 6888

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 gaagcctcaa aacatgggga aaagatatgc aacctcatan ggggatcaga aaatgcaaac 480  
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<210> 6889

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6889

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<210> 6890

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6890

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<210> 6891

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6891

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actgncatgt ggcagaagtt ctccaacatt atgnctctgt agaagccttc aggcagcact  480
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550

<210> 6892

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6892

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tggaagtgg gcacctt 557
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<210> 6893

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6893

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cactcaatga ccatttaagg ggattacttt gaatggaatg ccagaggcat ttcaaactcc 180
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 ttgccccata agtgatactt gaatttatct ccttttcccc acccaactct tactgccttc 420  
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<210> 6894

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6894

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 caggactaca ggctcatgcc actatgcca gctaattttt tatttttttg tagagacagg 180  
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 tcacgcccgg ccaagttata ttcttttagtt gctcagtcgg taacccttgg agtcgtcctt 300  
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 cactattact accctgattc aagtcacctc gacctttaac ctggataaat gcagtcaatg 420  
 gcctactaac aactcttatt tctgcacctg ctgcatacag tcaacatagc aatcagatct 480  
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<210> 6895

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6895

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 tttttttttt ttttttttga gacggagtcc cactctgttg cccaggctgg agtgcagtgg 180  
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 tagtaganaa tggntttcac cgtgttagcc aggatggctt caatctcctg acctcgtgat 360  
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 gctcttctta agagaccctt ggtgggggtgt ggtagctcac acctgnaatc tctgcatttt 480  
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<210> 6896

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6896

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 gggagtacag gcgtgcttta ccacgccag ctaatttttg tatttttagc agagatgggg 180  
 tttcatcata ttggtcaggc tggctttgaa ctctgacct caggtaatcc acccgctttg 240  
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 caagtccgt ctgcttgccct acgttgagaa cttggcataa agggtagaaa aaggagagcc 420  
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<210> 6897

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6897

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cacgcgtgtg ccaccaagcc cagctaattt ttgtattttt agtagagatg gggtttcacc 180
atattggtca ggcttgtctc gaactcctga ccttgtgatc cgcctgcctt gacctcccaa 240
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ttgttcacat ggccagccac cagccatgtt ggatgccctt ttatgcattt cacctctaac 480
gcacgtacac gctatactga ctnttcagt agatgacggg ccactattca tgccaacgtc 540
ttaaggcctg gcatgt 556

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<210> 6898

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6898

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ggactatagg cgcctgccac catgcccggc taattttttg tatttttagt agagatgagg 180
tgtagccag gatggtctcg atcttccgac ctcatgatcc gcctgcctcg gcctcccaaa 240
gtgctaggat tacaggcgtg agccaccgtg cctggccac ttctattttc ttagttgcaa 300
agtgtgaacc tgattaacta gagaaggact ttgtaatgct tatgctaaaa tgaacacaat 360
aaatagctga actccagttt tggtttcaag atgtataagc aactaagcaa aaatcactat 420
atctgttttg aaaaccaaca tattctttta agtatttctt tttttgtaaa ggaataattt 480

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tattttctaatt ggtaaacttc taagtcaaac catcttnttc tgaacccaaa catgcatact 540  
attcttgntt cttggg 556

<210> 6899

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6899

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tatatggata ccaagttttc taggtctggg gggtaaaaca attttccttt ctccattaca 240  
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gtagaaaatg attctttctg tgaactttca agcttctgat acaagctgca atatcatgga 480  
ttaattacat gacagcatag gataatgaat gagaaaaagc ccttggaac caaccaatnt 540  
gaatttgaat ccttt 555

<210> 6900

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6900

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 caacttgngg tcttaatatc tatgtcacag gacatgtta tanggtgaga cagaattatn 480  
 ccatcccttt ggggggtttca aaaatctggg tggaaggagt ccatgactnt accatttcac 540  
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<210> 6901

<211> 555

<212> DNA

<213> Homo sapiens

<400> 6901

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 gggtcagctc tgggcagggc ttggccaggg acagtgtggg gaaaaagaga tggggactgg 180  
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 aatgaagcag caagcccaag gccacacagc taggtcagca tcgtcacaca ctccggaacg 360  
 cacagccaga cacacacaca cacaccctgc cagcacagc acgcaggcac acacacaatt 420  
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 atcgaaaaaa atctcttttag agaggaaacg actggctttt tccttggtcaa ccnncaaaaa 540  
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<210> 6902

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6902

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ggggaacaga	aatagctgaa	aatttatgta	tatgtgtatg	tatatatata	tatacacaca	180
catctgtata	tacatacatg	tatatattca	aattatatac	atataaagat	attttagat	240
tcaagatata	tagggattat	atatctatai	atattatatg	tgtgtctatt	tatacagata	300
tatatatata	tatattcatc	tttctgtgtg	tgtgtgtata	tatatccaca	cacacatata	360
aaatctactg	ttgcttagtg	gtggaattct	ctaattttac	tcatacgcat	attttgga	420
gcttatctcc	aaaaggggca	cattaatcga	catggaacag	aacccttctc	ttctacttta	480
attaatttca	ttttaaatta	atnatttcta	ttcttccctt	ttaactanta	atagccccct	540
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<210> 6903

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6903

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ctacaggtgc	gtgccactgc	accagccccg	taaggggtgc	tagctttggt	ctgggaaaca	180
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aagancggct	aaaaaattgg	actgattgaa	ttccaagtgg	tgganaggnt	tccactagca	540
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<210> 6904

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6904

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ngtttttttag ctccatcagg tcatttatgt tcttctctaa actggttatt ctagtttagca 180
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tcattctccg tccagttctg ttcccttgct ggcaaggagt gtgatctgtt ggaggagaag 360
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ttacctacct ttgggctttg aagggtgnga ccttcanang ggggttctgg ctggaaggcc 480
ctttcgtga aggtgaagct attcctttcn ggtccgtaag ttnccttct gaaagcangc 540
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<210> 6905

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6905

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acattaagca ataatgccag tttccataa tatgccttag ttgtaccacc ttattcaggg 420  
tcgacaatta attaggaaga caaaaagtat aaatcgcggtg tttattaagt agcagacaaa 480  
ttcttggctg gctcaacata ttacnntaaa gggggtgnatt tctaattttg aaataaatag 540

<210> 6906

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6906

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tgaatgtttt tcaaagtgcg taatttccaa ctcatccact tgcaatattt atccaattcc 180  
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ccaaaaaagc aagaacagtg atcatgcagg tgtaaatctg cagacatctg angacactgg 480  
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<210> 6907

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6907

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 atcattcttt ctttttgaga cggagtctcg ctctgtcacc caggctggag tgcagtggcg 240  
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<210> 6908

<211> 547

<212> DNA

<213> Homo sapiens

<400> 6908

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 gggcaaacca aaatgaaatt aagactacac gtctcaatat atagtgaata gccttgagaa 240  
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 catacactat cccccggcat attgatatct acaacccttg gngggattgg tgaatgaaga 480  
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<210> 6909

<211> 544

<212> DNA

<213> Homo sapiens

<400> 6909

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actn 544
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<210> 6910

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6910

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aagccaatcc aaaaatcgng ccttgcagga agcatccact ttccagntnc aagagctaan 480
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aggcaaatcc aagnnttctg gtcttcatga aaggtggaac ttaaattcccc caatngg 537

<210> 6911

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6911

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 gcctggtcat tctaatttga ttcaacattt aatcattatt aatgcaagta ggggaagctc 180  
 ttaaaaataa gtttctatct tcttaacttc ctttaagact tcaagctaaa aggggtctaaa 240  
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 aaccaatctg nttttcactt tcaatacagt attcaataaa ctacatgaga tatttggagc 480  
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<210> 6912

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6912

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 gttgcccana gggaanaagg gcgggtgggc anaaggaagg ggctggagac agatcatcag 180  
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<210> 6913

<211> 528

<212> DNA

<213> Homo sapiens

<400> 6913

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 aagtgtctggg attacaggca tgagccacca tgcctggcct ggtctctact ttttaattgtc 300  
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 tgccacaaat tacataactt aaaacaacac agatttatatt tctgacagtt ctggagggtca 420  
 nacatcctaa aatcaagggt ttggcaggac tgcgttcctt ctaaagctca ngggagaatc 480  
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<210> 6914

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6914

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gcaacctccg cctcccgggt tcaagcgatt ctctgcctca gcctccctag aagctgggat 120  
 tgcaggcacc tgccaccacg cccagctaata ttttgtatct ttagtagaga tggggtttca 180  
 ccatgttggc cagattggc ttgaactcct gacctcatga tccaccgcc tcggcctccc 240  
 aaagtgtgg gattacaggc gtgagccacc gcgcccggcc cagctctaga ctgttttaaa 300  
 gggcaccctt tccagttact ttttccttt taacacacgg tgggagttca aatctccaaa 360  
 agaggtttcc atggggtcag tgggacgaaa gctccttgcc acctctagt aaacgcggc 420  
 cttgacacta gcacggcaga ccagatggag tggacactga gctctgacac gcaagcccag 480  
 ggaaccggg gaaggaactt gnatgaactt acaggcaaac cgtagcagac tgggaanaag 540  
 tttganggggt accgnaa 557

<210> 6915

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6915

gtaaagacag aatcttgttt cactatgtta ccaggctgggt cttgaactcc tagcttttaa 60  
 tgatcctccc accttggcct cccagagcac tgggattaaa ggtgtaaacc accacacctg 120  
 gccttcagag gttctttata tttctgata cacatcttta atcccttgta aatgctggga 180  
 atttctgttt ttttaactca ttctgtggct tgnctattca tttcttaat gctgtctttt 240  
 gatgagcaaa aactatgaat aagacctatt catcaaattt tcttttgaga ttagtgctgt 300  
 gtctgtcca acaaaccctt gctcagtttt aaaagatttc ttcatgtaag ctctgctatg 360  
 gtttaagttt atttctagat aagtgatctt ttgntaatt ttctgaatgg gtttttctct 420  
 tccactatac tttataatta gntattggc agatnaagaa aaactatagc ccgggcctgg 480  
 tggctcatgc ctgnaattnc agcactttgg gangnccagg cggccggaca nctgggaaca 540  
 ggagttggga ncc 553

<210> 6916

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6916

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gacagtcttg ctctgttgcc caggctggag tgcaatgata ggatcttggc tcaccgcaac   60
ctcctcctcc tgggttcaag caattctctg cctcccagat agctgagatt acaggcacgc  120
tccatcacgc ctggctaatt ttttgtatit taagtagaga tggggtttca ccatgttggc  180
caggctggtc tgtaactcct gacctcaagt gatctcaagt gatctgcctg tttttgcttc  240
ccaaagtgca ggaattatag gcatgagcca ccgtgcccag tcagaaaaca cttttttaa  300
gaacaatatt caaggacata atataaaaag tataatttgt cagaatcaga aacttctgaa  360
gtatcaaaca ctgcatttca ggcttagtca ttcagttaat cttttacatg aaaatcattt  420
ttacaatcag agctaatttt ttgcaaagta atctcactaa tttttaaccc aaatttgata  480
ttctgnccca gatcngaaaa aggtgagaat actgaaattg natntaaaag ggtgactaat  540
cattgactaa gnggacta                                     558

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<210> 6917

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6917

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cctgggacgg agtctggctt tgctgcccag gcaggaatgc agtggcagga tctcggctca   60
ctgcaagctc cgctcccag gttcacgcca ttctctggc tctgtctccc aagcagctgg  120
gaatacaggt gcccgccacc acgccagct aatttttttg tatttttagt agagacagtg  180
cctcaccatg ttagccagga tattctggat ctctgacct ggtgatccgc ccacctcggc  240
ctcccaaagc gctgggatta ctggcgtgag ccaccgtgcc cggccgaaaa tcagttaact  300
cttcttagac ccaatagaga attgaggttc agggcaaact gctgctccca aaactggaga  360
gagatgtgac tacagaaaac cacagctacg ggtatcacia accccagcaa gagaaacaaa  420
cagctggagc cagtatccat aggaacactg taatgtaaat tgcttggagg ttcaacgtgg  480

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actagcttga gaattaaaag ctcangggat ggcaagctgg ctgggggaaa naccgaggaa 540  
ctttctgg 548

<210> 6918

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6918

gcttttgaca ctttatccgt ttttatttaa aaacatgcta aaaacatggt gttccataaa 60  
gccaggacca ggatgaagga acgcacagat acggcaatgc aagcagaaag tgcatctgaa 120  
accaacaagc gtgctcaccg tgctctccct cccgtgctgc ccgggggcag gcagggtgggc 180  
aaggaggggg caggaagccc cccaggcctc acctcctgag tccccaatca gggcagggag 240  
gccaggcccc accctggact attgactcac tgcagtgggg aggaggaaag tgtggggcac 300  
gggaacacaa gggctggccg gactctgaga agctgaggga caaagaatgg accccaagca 360  
cctcacgccc agctcccatc ctatgccacg tcccttgcta gttagcacct tcaccagtgg 420  
gtggccaggg ctggaaaagg aaggggacag atgtcctctn tttccacca tnccttaacc 480  
ttaagggaaa aaaagtcaaa cccttaagga aatcacccca gtaaaaagtt ccaaatcgaa 540  
atntaacctt aacttatttg agna 564

<210> 6919

<211> 560

<212> DNA

<213> Homo sapiens

<400> 6919

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gaacaaaaag taccataatt ccactaaaat agctgaaatg taaagacaga atcaactact 120  
gatacacaca acagcatgga tgaaattcaa aagctttttt ttttttttt tttgagacat 180

gatctcactc tgtcaccag gctggagtag agtggtgcaa tctcagtttg atgtaacctc 240  
 tgtctcctgg gctcaagcaa tcctcccacc tcagtctcct gagaagctga gactacaggt 300  
 gtgcaccacc atgcccagct aatTTTTTtC atatTTTTtT ggagacaggg tttcgccatg 360  
 ttgcccaggc tgggtctcgaa ctcccagact cgagcaatct gcctgcctca gcctcccaaa 420  
 gtgctgggat tacaggcgtg agccaccaca tccagcctca aaaactTTTT tagnaagtaac 480  
 agaagtctgt tgtgaaaggc cntataattc tacctattga acattctaga aaaagcngac 540  
 ttttaatngg gaacccatcc 560

<210> 6920

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6920

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 ataggcacc gccaccatga ctggctaatt ttttgtatTT ttagtagaga cgaggctctca 180  
 tagtgttagc caggatggtc ttgatctcct gacctcgtga tctgcccgcc tcggcctccc 240  
 aaagtgctag gattacaggc gtgagccacc acgcccggcc cacaatactt taatttttta 300  
 aaagcacctt ttgtatgtgg aacttgtcaa aagccctgca aaagtgtgaa gaattttatc 360  
 tatgctccct ttctaactct caccatttat cattgacttt tacgtacaaa aaactattta 420  
 ataccttctt atgtctgttt caaaaaataa ttttaagtga tcttctgaat ccttttctaa 480  
 gaccatggaa aataatttca tcttttggtt acctttttca cccggaaata tctttctgga 540  
 acatctttta nggggag 557

<210> 6921

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6921

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ggtagagaca gggctcttgct atgttgccctg ggaaagtctc aaactcctgg cticctgctt 60
tggttcccca aagtgttgga attacaggca taagccaccg tgccctgccca ttgttaatat 120
taaagtact tcactgaatc ctaatTTTTT ggaaaactga tcagaagaca ctatctatgt 180
atcacatatg catatataaa tatccacaat caccataatt tgtgtatTTT actaaccagt 240
ttaatacagt tttctggctg tatgagagtc aaaaatcaca taaaagctt cataaacata 300
tcaaaataat cttttgattg cattagggaa cgtaaataaa agagttcctg gagatattaa 360
gaaattcctg gagactccct tctgggaaa gcacagaata gtagaaaagg cagtggggct 420
atgagttagg tgctggagtt ctagtcttgg ctcctaact actggcttga cagcaacttg 480
aacatattca aatctcttta agctttagtt tctctctata aaatgaagaa tgcngattan 540
ggaactctat tagnccccac c 561

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<210> 6922

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6922

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gttgttgttg tttgtttgtt tgTTTTTtac actgaggcat ggtctctctg tgttaccag 60
gctggagtac agtggctatt ctacgttaca atcacagctc actgtagcct taaactctta 120
gctcaagcaa tcctcctgcc ttagcctcct gagtagctgg gactataggc atgtgccact 180
atactcagct tagactgcta tttttaatct taaattggct gttatataag caggctttac 240
cttatataca aacttcttaa aggctgagct attttacaat agctaaatac aatagcacca 300
agttgagtcc taagcatata aaagaacatg gatattTTTT gaatggatct gaattttaca 360
tatatataat aattgtgtca ttactatTTT taaaacatt atgtgattac attttcagca 420
tataagctaa tgacattaat ctaggcataa catctaaca agaaatggta agcagtgga 480
acataaacac aatttatatc ctaattcata ggactttatt tttattcctg aaaaaccatt 540
aacattggn caaa 554

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<210> 6923

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6923

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ctttttgaga cggagtttca ctcttggtgc ccaggctgga gtgcaatggt gtgatctcgg   60
ctcactgcaa ctccgcctc ccaggttcga gcagttctcc tgcctcagcc tcccaagtag   120
ctgggattac aggtgcctgc caccatgccc agctaatttt ttgtatTTTT agtagagacg   180
gggtttcacc atgttggcca agctggtctc aaactcctga cctcaagcga tccacccaac   240
tcaacctcct aaagtgctgg gattacaggc atgaatcaca aggagatttt ccccccttat   300
gctcagcgct tctccttgct gctgccatgt aaagaaggat gtgtttgctt ccccttctgc   360
catgattgta agtttcctga aacctcccca gccatgctaa actgtgagtc aattaaacct   420
ccttcatta taaattaccc agtctcaggt atgtctttat tagcactgtg agaacagact   480
taaatacaat attgncatgg catatgacag cactgactaa aagaaaagcc ncttatTTac   540
agaatctncc ttctntnt                                     557
    
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<210> 6924

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6924

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ataacatatt taatttaatg cataaggtat aatgaactgg ttcagtttaa cacaattacg   60
taagatTTTT aatattatga acaacctgtt tggttaacaa gatagcagct ataaaactat   120
aatgtttagt ttgtttctcc tgcagactca gaaaataaat gttttctttt tgctttgcat   180
ttataaactt ttgcaactc aaaaaatctc tttcagtatt caattttaat taatctagcc   240
taaagtataa tactcagcaa tctgtactat tctgacttta aaatcatatc aaatattaat   300
    
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aacatatatg ctcttaagaa agtacctttc ttgttaaata caactgacaa aatattcagc 360  
 aaagtgtgta caatagtgcc ttgtatacat gtgtctttct agagctactt cagtataatt 420  
 taacaatcat tgcacaatag cagatgtata atagtttcca tataaactat tatctaagct 480  
 gtaaaatatg gacatagtca gcaaatacatt tctgagaaaa ggcatagatg gttatttcca 540  
 actatctctt ttaggg 556

<210> 6925

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6925

aaatccaagt caaagaataa ctcagctctt tacagttatt taaatctgaa aactatttcc 60  
 ctgaaaatga aatttctaag taatatacga atcaacttaa ctagactgaa acatttaggc 120  
 tgatcttact ttatccttta tctcagtatc ttacctaacg gttctatatt tcaaagcctg 180  
 acagatttgt ttggctggca tgatctgacc acttcctttc tatcgagaaa tacaattttc 240  
 tcttttgttg ctgaaagatt tctgttcacg cgtatgaacg tgggtccgtt tacagatttt 300  
 gaagtgtaaa tgttaacatg gagataatgc aggtcagtat ttacatctt attagatatc 360  
 tatataaaga agataagata gccgggtaca atggcccatg cctgtaatct cagcactttg 420  
 ggaggacgag atgcaaggat tgcttgagtc caggagtttg agaccagcct gggcaacata 480  
 gtgagacccc attatttttc ctttttttct tttagagacag agtctcactc tgncaactcan 540  
 gctanantgc aatgggcgtg n 561

<210> 6926

<211> 470

<212> DNA

<213> Homo sapiens

<400> 6926

aaatggagtc tcactctgtt gccaggctg gactacagt gcacgatctt ggctcactgc 60  
 aacctccgcc tcccgggttc aagtattct cctgcctcaa cctcccaagt aggtgggact 120  
 acaggtgtgc gccaccacac ctggctaatt ttgtatttt tagtagagac ggggttttgc 180  
 catgttgccc aggctggtct taaactcccg acctcagggtg atccaccgc ctcagcttcc 240  
 cgaagtgtg ggattacagg catcagccac cgtgcccggc caaaacttct ttctaata 300  
 tggaattggg tctgagaact aggtatgctc tacattttca cacaaaaaga attaaggata 360  
 tggattctac aaaacatgaa catcctagag atagtggaaa aaacaaatc ccagtcgtac 420  
 tcatttatca tacttctagt tctttctgag ggnntanggg gnaagggnnn 470

<210> 6927

<211> 499

<212> DNA

<213> Homo sapiens

<400> 6927

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 cccaggttca ctccattctc ctgcctcaac ctcccagata gctgggacta caggcgcccg 120  
 ccaccacgcc cagctaattt ttgtatttt agtagagatg gggtttcacc gtggtagcca 180  
 ggatcgtctc gacctcctga cttcgtggtc tgcctgcctc ggccttccaa agtgctggga 240  
 ttgcagggtg cagccacgac cagccccggc taaccccagc cctttctaag agcagaaaaa 300  
 tggatagatt tgatgagaga atcttatgag aatggtacat gaatttggat gtaaaatcag 360  
 gttacaaatt aaagaggctt taaaagcaat gaataataa acacagccct gttaggctat 420  
 tanganggcc ttggcaatga gaaaaantaa atattgaatt aanggataag natttcngga 480  
 tttttggnaa ttcctgggc 499

<210> 6928

<211> 488

<212> DNA

<213> Homo sapiens

<400> 6928

gagacggagt ctcactctgt cgcccaggtt ggagtgcagt ggcgcaatct cagctcacta 60  
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 ctacaggcgg ccgccaccac gcctggctaa ttttttgnat tttttagtag agacgggggtt 180  
 tcactatgtt agccaggatg gtctcgatct cctgacctca tgatccgccc acctcggcct 240  
 cccaaagtgc tgggattaca ggagtgagcc accgtgcccc gccaacatta aggagttatt 300  
 acagtgctgg tgtgatcacg gtatcaataa gttgggttgg ttttttttaa aaagagtcac 360  
 atttttaaaa tatgnactaa tttacagatg aaacgggatg acaactagga ttgcttccaa 420  
 ataatctggn ggganaagag ccnggagtta ccagaatagc cctgangnga aanaatgctg 480  
 ctgggnga 488

<210> 6929

<211> 567

<212> DNA

<213> Homo sapiens

<400> 6929

gttttatcc ttctgaacca catactttgt tctttttgtt tattactcat atacttaaag 60  
 agcagtgggtg aaaaaggccc ttagaaataa tttcatctac tgccctcagg aaatctgaag 120  
 cagatctgca ggcatatctt atctttgggtt tgtagcttct accctcctta caatcccata 180  
 catttaaaat tccaatgtat aagtcttgct ggcttcatta caatccacct cagaataatt 240  
 agacacagag caaattgttg gataatccaa ccttagttat attttcttct cagtccatga 300  
 gacaaaaaag gattcaaca aaataaatac atgcttgaca aaaatgggac aaaagaagaa 360  
 acaaatgaaa ggaataatga acctataaat tttcaaaatc tataaacatt gaactaagac 420  
 ttgatgtact tgatatacct gctgncctaa aattgacttt catttctcac aattaatcgc 480  
 ctttctgntt cgacaaggtn ctaaaatcta cacaattttt cagnactgng taaacctatc 540  
 cctactaaaa gaaattttcc tcgaaga 567

<210> 6930

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6930

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ctttnctttt tttttttttt ttttgagaca gagtctcgct ctgncaccca ggctggagtg   60
cagtggcgag atcttggctc actgcaagct cctcctcccg ggttcacgac attctcctgc  120
ctcagcctcc cgattagcta ggactacagg cccccgccac cgtgcctggc taattttttg  180
tattttttan tggagacggg gtttcaccct gttagccagg atggtctcta tctcctgacc  240
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ccggccagaa tatcatattt tctactgtt ttccactcca ttggcaaaa gcctacaatt  360
ctttggcact gtattctact cagtgtgtaa ttacaataat tggcattaag ataagtngga  420
cggctgatat tctatttaat ttggacccca gggaaaanag aaaggtggtn aagaaacact  480
tcaaaaaaag ctttctaagg catattttnt gaataacctc cggttgngga ttccccaact  540
tgntttaang ggna                                                    554

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<210> 6931

<211> 532

<212> DNA

<213> Homo sapiens

<400> 6931

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gagactgggt gtcaatctgt cgcccaggct agagtgcagt ggtgcaatcc tggctcattg   60
caacctccac ctcccaggct caagtgatcc tccgcctca gcctcccaag tagctgggac  120
tacagacgca cacacaaccc actacgtgcc aaccactgtt atgtgctgtg catatgcaag  180
ttttggttcg gttactttta ataacctata atactgagca cacaactgcc actcgtctcc  240
agggctcttt ggaacccaaa attcagagat tgctaggaat aatttaccac caaagtcaaa  300
taaaaccagt tagtcaacat tttttggata gtcaatttca gtaaacactt ccctgtctta  360

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ctatctatga aagacattat gatacagttc atcaaattctc ttgcaaacat cacgatagac 420  
gtggacttct ggcatccct aaaggngcca tgtatgactt gngctggggg ganccatggn 480  
gnccatgggc attacccttn cctttggaac tggatcaaac atgggggcna ac 532

<210> 6932

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6932

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gccttcacc ttggtcttcc aaagtgtgg gattacaggt ggcagccact gtccttgacc 120  
caggatcaca tcttaattcg cctttgtata cccacacagc acctccacac acacgtggca 180  
ggtgatgggg tttccagaaa gtttgctgaa ggagtagaaa atccactgtc attttcacgg 240  
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atctcttgta cagggtccaag tgttcctatt aatgctttgt ggcttaaact ttttattcct 360  
tcaagttttt tgntttctct cttccctgga acaagagtct taagngattt cactagtcaa 420  
acaacgtaat gacacaatac tacaaccac aggtatctac tatctacagg ggnccnacc 480  
tttngcact tgaggaccag tttatgaaga cagtttttct atggaccang gttggggntn 540  
gggggaaggt tnggga 556

<210> 6933

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6933

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cagatcaacc cactacctag gtagtaagcc cagtatccat tagctattct tcctgatgct 180  
 ctccctcccc ccacctttcc ccaggacaga caccagtgtg tgttgtttcc ccgaccaacc 240  
 ccacgtgtcc atgtgttctc attgttcaac tcccacttat gaatgaaaac atgtggcggt 300  
 tggttttatg ttcctgcatt agtttgctga ggataatgcc ttccagctct atccatgtcc 360  
 ctgcaaagga catgatctca tttcttttca tggtgcata agtattccat ggtatatatg 420  
 taccacattt ctttatccag ctaccattga tgaaccattg ggttgattc catgtccctg 480  
 ctantggnga atagnctgc aatggaacat aagttttcct ggtcttatta aanaaatatt 540  
 ctnttgccaa agtntaa 557

<210> 6934

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6934

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 ttgcactgta accagggaga tataagaatc tggtcttagg tgtggggagt actcttccat 120  
 taataaacia aaggcctact gtattattaa ctaagagaaa gtataatgtg aatcatgtta 180  
 acattctaaa ataacagaaa gttaggacca tactagcaat gtgaactgtg cctgtttgaa 240  
 aatttaaata ctgagcact aagcattagc ctacctgaaa ctctaggatg aagtctagtg 300  
 ctgtattctt tcttagaaaa tagcaacaca gagtaatagt aaataaaccc aggtattcac 360  
 cagttaaac tgtgaattga agtgtctcag tagtagatat ttatcatgaa gaggttgatg 420  
 ccaagtggca nggaataggt taatcattan gantggagct caaaatatgg cagcctcatc 480  
 agaaagacta ttattattct ctaaggttaa taagttgggg ancagttaag gaagccaaaa 540  
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<210> 6935

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6935

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ctgcaacctc cacctcttgg gttcaagcta ttctcctgcc tcagccacct gagtagctgg 120
gattacaggc acgtgccacc acaccagct aatTTTTgta ttttagtgg agacgggggt 180
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ctcccaaaat gctgggatta caggcgtgag ccaccgcacc cagcccttca tgtagtcttt 300
acctcaaaaa ctcttccaat tcagaaatga ggtaagtata tcaatggcta caaggaaaga 360
atgggtaggt tttgcaaggg aaaaacatac tactgaggct caaaaggga ggggatatct 420
catgaagaaa ggaatgatca ggaaagttt tgtgaaaaaa ggaggaatgt ccaagaatgg 480
ccctggcana aggagaaaan ttaattcaa nttttaattc aagtttaaaa aacttcangn 540
ggnttaatgg n 551
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<210> 6936

<211> 542

<212> DNA

<213> Homo sapiens

<400> 6936

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tttttgTTTT catgacttat attagttgat tctaatagag gtgcaatgtt ctctgcacag 120
aaccctaatg caggacaggc tattatgttc tgcatgccag tcaaattacc aggcattctt 180
tttcttaaca tttatttcag tttcagggt atgtgcacag gttgttttta tacataaatt 240
acatgtcatg ggggtttgggt gtgcatatta tttgtcagc cagataataa gcatagtacc 300
taacaggttg tttttcaatc cttagcttcc tcccaccac ctccctcaag tatgccctgg 360
tgtatattgt tctcttcttt gtgtccatgt gaattcaatg tttagctccc acttacaagt 420
gagaatatgt agtgttcatt ttctggtcct gaattagttt aagtttctta gaataatggg 480
cctccatctt atccatgtgc tgcaaaggat agaattctca tctttttatg ntgggtanaa 540
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tn

542

<210> 6937

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6937

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ggcgaaagtg actagaattg gtctatgcta aagaaagaaa gaaatacaac atcataccat   60
tatttttagtt ggaagagccg caccaaaaat catgacaaaa aaaattgngt aaccataaga  120
aatccagtg gcttggttgtt gttgatgatg ttaatgatct ctggctaaaa attcaagtaa  180
aagagtcaaa ctgcttaaag cattaaaaaa gcacagcagt gtaaggctctg caatgatttg  240
aaaaacacta agaacactct tcaatgtttc ctcatTTgca gactatcaaa catgatcttt  300
gaagtcaagg attacatcta cgTtctttta ccaatcttga atatatatc tgttacaata  360
tagtaatgac ncaaagggat gtcacagaca aaaaggcaaa ctggcatgta attaaaaagg  420
ttacttttag ancatatgga tctaattctg gattaaaaaa atcttccaat ttttaaaatt  480
taaatncctc ctaatatatt ttacnttaaa actgnggtta ccatttttac caaaaatttg  540
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<210> 6938

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6938

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gagacaaggt ctcactctgt tgcataggct ggggtacagt agcacgatca cagttcactg   60
aagcgtcgac ctcttgggct caagcaatcc tcccagatca gccttgcaag tagctggcac  120
atgccaacat gccagataa cttcttaatt tctgatacag actgggtccc actatgatgc  180
ccatgctaag atttcttttt taaatgctag aaatggatgt tgaagttaat atccctttca  240

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gtatttatgg aaaggatcat atgttctttt tttaatatgg tagtattgaa ttaacagatt 300  
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 ttcaaagtgc tcgcagacac tatatggtaa aattttacac taaaatttaa cattaatatt 420  
 cctacatata attctatagg tttatgaaag ctgncagcaa ttaaaaaata ttnactttca 480  
 cttttgagan aatngnaaat tcncatggag ttgtttgaaa aaaggggaga ccccttttcc 540  
 ctttaccen 549

<210> 6939

<211> 487

<212> DNA

<213> Homo sapiens

<400> 6939

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 caaccttgac cccctgggct caggatgatcc tcccacctca gccacctgag aagctggggc 120  
 tatagccgtg tgccaccaca cctggctgat ttttgtactt tttgtagaga cggggtttct 180  
 tcatgttgcc aagatggaca atggacagtt taaagactca caggaagcat gagtttccca 240  
 ttccctagaa tatattactt cctctggctg acagtgttac gtttttcaga gagaaaaaaaa 300  
 aggatatnca gaaaaaggga.aaaattttaaa tattacatga nggaagaccc taaagngatt 360  
 ntntcaaaag ctaaaatgtc agaatctgga atggacattt taccctattg ggaaggatan 420  
 tattaaangt tggttgacna tnccggaaaa atttgaatgc tnccagggtg tactnggnaa 480  
 tgtaaaa 547

<210> 6940

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6940

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 ctgagcctcc cgagtagctg ggattacagg cgtccaccac catgcctggc taattttgta 180  
 tttttagtag agatgggggtt tcaccatggt ggccaggctg gtctcgaact cctgacctca 240  
 agtgatccac ccacctcgcc ctcccaaagt gctgggatta catgatgtga gacaccgtgc 300  
 ctgggtggaaa gaggaatctt ggctgggacc ctagcatcnt ctagggaaca gagaggttgt 360  
 gattaagagg tatctggatg aaatcttggg gaaaggaagc acttgTTTTT aatccacca 420  
 tggttnttca tatgcataca accatcctca aacattntgc ccatcagcag ancttctaaa 480  
 aaggtngaca taccactgg ntatccctt cttggcaant ttaaaccaag ccttgccccg 540  
 gnaatggnaa 550

<210> 6941

<211> 550

<212> DNA

<213> Homo sapiens

<400> 6941

cttttttttt tttttttttt ctttttgaga cagagtctgt tgcccaggct ggagtgcagt 60  
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 gcctcctgaa tagctgggac tacagacagg tgccaccaca cctggctaatt tttgngtttt 180  
 tagtagagat ggggtttcac cgtgttgGCC aggatggtct caaactcctg agctcagggt 240  
 atccacccgc ctccgcctcc canagtgtg ggattacagg cgtgagccac catgcccagc 300  
 cactgtgggt tttcttaatg tatgggtaga ggtggcttta ctattagcca gtgtgaanag 360  
 tccttattct tgtgctttgg ccactatccc tgcactccca tcctgggaac atacctngt 420  
 ttaggcttca ggccaaacat ttcattggca acctttggtt tatctttttt tccaaatatt 480  
 tggttgctaa tgattggncc cagaactttc atataaaatg ggnaatccag aaaagaaccn 540  
 ccctntgtct 550

<210> 6942

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6942

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gagacacgag tctcgctctg ncatccaggc tggagtgcaa tgggtgtgatc tcggctcact   60
gcaacccccg cctcctgggt tcaagcgatt ctctgcctc agcctcctga gtagctggga   120
ttacaggtgc acgccaccac gccagctaa tttttgaatt ttagtaaag atgggatttc   180
accatattga tcatgctggt cttgaactcc tgacctgtg atccgccgc cttggcctcc   240
caaagtgctg ggattacagg catgagctac cgagcccagc cctaaaagac ttctttataa   300
ggagccatat tgctttgggg agaccgaagg ctgctgaggg cctcagggca gggttgatat   360
gcacctgcca gcacgccacc ataacatctt catggaacct taacactttc ttaaaagtgc   420
tccacctnct tttttttgac ccttaaagaa gagaccaact ntagtactg ngtggcaact   480
gngcctgncc ttttcatggt gcaggggact ggggtgacaca ttccccaaa nggnc       535

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<210> 6943

<211> 551

<212> DNA

<213> Homo sapiens

<400> 6943

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gagatggagt ttcgctcttg ttgcccaggc tggagtgcaa tggcacgatc ttggctcacc   60
gcaacctccg cctcctgggt tcaagcaatt ctctgcctc agcctcccga gtagctggga   120
ttacaggcat gcaccaccac gcctggctaa ttgtatTTTT agtagagacg gggtttctcc   180
atgttgaggc tgggtctcgaa ctctgacct caggtgatcc tcccgctcg gcctcccgaa   240
gtgttgggat tacaggcgtg agccaccgtg cccagccaca agtaaatact ttatcccctc   300
atagaagcac acggttttac tgcaattcag tagcttctcc ttttttctt gagacagggt   360
ctcgctccgt cacccaagct ggagtgcagt ggcgcaaaca catctactg cagcttcaac   420
ctcctgagct caagcaatcc tctgcctcag cttccaaagt gctgggatta cangcgtgtg   480

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ccaccacccct ggccttaata atttcttttt ctttgaaaaa aggnctnact ntgganccca 540  
actnggggtgc n 551

<210> 6944

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6944

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cctcattttc cccctttgag actctcactt tttattagtg ggagtctca ctcttatttt 120  
tgctacttat gtctttttgt gcaatagatt gatagtgatt catatagtac acttggtgctg 180  
aagcattttg gtgaactaag gtagcaatga agctttttat catttgtaga agtaaaagta 240  
gtaaacaagg gagcagtaag caggttttta ttactattat aactcctatt ataagagttt 300  
taaactcttc tattgctggg aactaatatt taaacatgga tcctggattg agtccgtgcc 360  
acacttgatg gggtacatgt gccagttttg ttatatcttt aactatattt ttaactactt 420  
gcccttgatc acctgtgtgt agaaaacaat tagtaaagtt aaatttttca caaacttctc 480  
tttcagctgc tacaagtagt caagagctag gctattttga tagatagcat ttctcatnag 540  
aagtctcctg ctgg 554

<210> 6945

<211> 498

<212> DNA

<213> Homo sapiens

<400> 6945

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ttcaaattcc acttgaaaaa gaggcagaca agcgatagtt gggatcccag cctgctcctg 120  
gaggagctcc tgtgtccaca aaaaagcacg cacattctac agctatgcga tttgctcact 180

cggaattgca ttttgaaaa ctctcccag agtcccccttg cagaacgcca tttgtgtctt 240  
tagttggttg tagctgggaa acaacaacag aaagaaaagg aactccatcc taagacttct 300  
tagaatatct tttgttttga aactactgac cctnaaggat ctaccaccac ccaacctaga 360  
atatatatct atatatatct catatatata ttctcactga aaagcanatc attgtttatt 420  
tcacttgctt tgntgtcaca tcggaccctt agggatggnn tnnggacacc tggctcttnc 480  
ttcttcgtgg gatcctgt 498

<210> 6946

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6946

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ggctcacagc aacctctgcc tcctgggttc aagtgattca cctgcctcag cctcctgagt 120  
agctgggatt acaggcatgc gccaccacgc ccggctaatt tttgtatttt tagtagagac 180  
ggggtttctc catgttggtc aggctggtct cgaactccgg acctcaggtg atccacctgc 240  
ctcagcctcc caaagtgcta ggatcacagg cgtgagccac cgtgccgggc acgtttcctt 300  
taaagagctt ttttttggtt attttttgag acggagtctc gctctatctc ccaggctgga 360  
gtgcagtggg gcgatctcag ctactgcaa gctccgcctc ctgggttcat gccattctcc 420  
tgcctcagcc tactgagtag ctggggctac atgcgccgcg caccacactc ggctaatttt 480  
tttggatttt taagtanaaa anggggttca ccacgctngc cnngatggct tgaactnctg 540  
acctcngaa 549

<210> 6947

<211> 545

<212> DNA

<213> Homo sapiens

<400> 6947

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aagtttcaaa ttattttattc attcaacaaa catgtcagag agaatgaac agtctagtag   60
caaatatttc atagagaaat ggacgtatca ttccaactca ccacgcccc aacttctgt   120
ggctcactcc atcttttgcc cctctaggga gcttcggtga tgtggatctg ccttggggca   180
ggaaagggga aggggaggtc aggcctagt gctcacgcct gtaatggcag cactttggga   240
ggcagagtca tgtggatcac ctgaggtag gagttcaaga ccagcctaac caacatgttg   300
aatccctgtc tctaaaaata taaaattag ccgggtatgg tggcaccgta tctgtaatcc   360
tagctactct ggaggctgag gcaggagaat cgcttgaacc tgggaggcag aagttgcagt   420
gagcccgaga tcatgccact gnacttcacc tgggggacag agcaagactc cgnttcaaaa   480
aaaaaaaaagt tggggggaag aacaaatgat ggaggtggag agggaacctt gttggagcca   540
cnaaa                                                                    545

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<210> 6948

<211> 554

<212> DNA

<213> Homo sapiens

<400> 6948

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gagatggagt ctcgctctgt caccaggtt ggagtgcagt ggcgcaatct tggctaactg   60
caacctccac ctccttagtt gaagcgattc tctgcctca gcctcctgag aagctgggac   120
tacaggcatg cgccaccaca cctggctaatt tttttggtgt ttttagtaga catggggttt   180
caccatgtta gtcaggctgg tctcaaaactc ctgacctcag gcaatctgcc cgccttggcc   240
tccaaaaatg ctgggattac aggcgtagc gaccgtgcct ggccaaaatt ctttcacaca   300
tacgtgttac aaacctgcgt aactccaact ctcacttcac gattaacgga ccttncaact   360
tttaacattt ctccaccgnt ctttaagaaa cctgaccctt cacgcaaaaa atnctgtggc   420
catgaattct aagactttat cnaatggtgc ttcgcttcac attctgacca ntacttttaa   480
gaaggaaaaa ttaaagttta gccaatatat tctgaggcct ntaacttaat aantcaggna   540
ttatttttaag ggcc                                                                    554

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<210> 6949

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6949

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cactgttggt tgccttactt taatgctgac ctagcagccc cgacaggaag ctttaacata 60
aagccttgac cctgagaagc atgggtgcgt cttgtcgtga gcaggttcat ggctgtgctc 120
catcctcagc ccgctgattt ttggtctttt gtcctttgat ccagcagttc ccacgtggat 180
gttgtactgc ttctgtcctt gatgttgatg ccgtgggcag tcaggccccg gcgcagggtg 240
tcgcatgctt ccagcagggg ctgcctttct aggagctgct gccgccgggc gtcccccggtg 300
gcctcgggca tggccagcgc aaactgccgg accttctgcc ggaaccgcac cagctcgtcc 360
accacaccat gcaaggtagc ctgctgccc ctcctgaaac gtactgntga ttgcccagaa 420
aaaattccaa cagtttcaaa aaaactgttc aaagtangag atgatggcac ccaaacacag 480
caggacttct cggccctttn aggttccttt aaggaacgcc tnagctgccc attcncgtg 540
ggggttcaag ggccantn 558
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<210> 6950

<211> 526

<212> DNA

<213> Homo sapiens

<400> 6950

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aacttgaaag aacagtttta gataaactgt ggttattcag acttgnncat ttggcnnatn 60
tattactgaa atgaatgaag tgagcctgnc acttccagga aaacaacact tgntgccaat 120
gataaaattt gagttttcaa gcaaaaantta gcattttgga aaacatacat ctgccatcct 180
aagcttgaca gcttctcaat nctgaagact tatctgatga gactagtgnn aatattaaga 240
attatgattt ttgatatgg ttgataaaa tgagtcaatt ttcaggagat ctgtacaatc 300
taggtaacta atattttcca aatggccaat gacactgnnt taaaagcaaa aaagtcattc 360
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caagtgaag gtaaaccant ggatnttatg tcattgagta cataaagttc acaatatggg 420  
ctttgattnc acattacaac ttttaagaca acntcaatta tcaaaagita ctggttantic 480  
aaatcnggac nttccgngtt tactgagaan ggtttctaata accctt 526

<210> 6951

<211> 548

<212> DNA

<213> Homo sapiens

<400> 6951

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cagtgaagt tccgcctccc aggttcacgc cattctcctg cctcagcctc ccaagtagct 120  
gggactacag gtgcccacca ctacgcccggt ctaatTTTTT gtatTTTtag tagagacggg 180  
gtttcaccat gttagccagg atggtcttga tctcctgacc tcgtgatctg cctgcctcgg 240  
cctcccaaag tgctgggatt acaggcgtga gccactgcgc ctggcctata ttcagaatct 300  
tttctatcac attccttaat gctgcaacgt tggtatttgg cacaggcttt tagcaccaaaa 360  
ataagacaga ccatagttca accagcacgt gcaatacctt gnaatgggta tggcnaaaag 420  
gtatgtncan acaggacaag catgggggaat atcacctggg aacatgggag aaatgacatt 480  
ntaagcccaa tttctttctt aatggactan ggcccacaac ctgngtttta caaggnttca 540  
ggaaatnt 548

<210> 6952

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6952

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tcccaaagtg ctgtgattag gcctacgttg tgtgtcactt tcttaagaga cctacgttgc 120

taccgtgtct acagtagtct gtggctcacc ccagcctctg cagccccact gccctctctc 180  
 attacctggc tttagtttct ccctaacact tacctcacct gtgtaagaac tccttcccat 240  
 gagactgtga gctctgcggt acagggacct taccttcctg tactgccgca atttctatca 300  
 tattccctgc ctctagggca atgcctggcc acagcagggtg ctccctaaac atttgccaag 360  
 tgaactgtcc cttaccgagt cctcctccat ccccccaag cctggctggt gacctggaga 420  
 gactcggggt agtggcaagg ctgcanggat ctggaactgc ctgggccttg ccactactga 480  
 ngcctggcca ttcgatgnct tcctttgatc tgaaagtact ggggancctt aaaaanggct 540  
 ntngggnaa 549

<210> 6953

<211> 556

<212> DNA

<213> Homo sapiens

<400> 6953

aacagatgag gtcttggtat gttgcccagg ctgatctcaa actcctgggc tcaagcgatc 60  
 ctctagcctt ggccctcccaa agtgctggga ttacaggcgt gaactgctgt acccagccag 120  
 ttctttactt taaaattgga aactttagat gttcattcat tgccgttgat agttaaggctc 180  
 tgattcacta aaattcacia agatgcttat tttatgaatt attcatcaat acttggcata 240  
 agtaccgct ggaaaatata attaggacia atctcttgaa aacgagtact ccattcttag 300  
 aaaagcatna acaaaaccca ggctgtttcc tccccacgtg accccttctc cagggacctt 360  
 gccccaaagc tccaattgtc aggatggggc cagtgtggac caacagcccc tgagccctgc 420  
 cagaccaaac acaccnaacc tnggaccnca gaaggccgcc cagccgggtc acaagcttgg 480  
 ncaggggctt ccaagtctgg ttacctagag aggcagttgn cacgccttga ccanggtggc 540  
 cccatgnggg acagaa 556

<210> 6954

<211> 570

<212> DNA

<213> Homo sapiens

<400> 6954

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gcattccaca tcccctatca ctatcccacc caggagagct gaaattccct ggctgaagcg 60
gtgcaaattt atttagcagc tcctgatagt acttttattt tatggttgcc aagaaaactt 120
ctctcaccga ctctccttgc caaaatgctc agacatgata cctggcagcg ggtcagctta 180
tagatgcact tagtgatgaa acacaagaag gccagaagtc ttcaggcaaa gacaccagga 240
gacaacagac ctttggtggc taagggtctc ctgaccatag cgccttgctc tgatagcaca 300
gactggatgc tgcggccaac agtacacttg gacctgacag tccaaagggc ataaaacagc 360
caacaagcca agtctcttcc ccagtgcaga cagccaagtg caagcttgac ccacagaaac 420
cactgggtcg gctttgcttt ctggangcag aatncaacca gggaaatgaa agcttttctg 480
atagccagtc acttaagggc aggaaggaca accnggatca aagaagcctt ggcagaattt 540
tgagagcccc cancnggaac aggatggttt 570
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<210> 6955

<211> 537

<212> DNA

<213> Homo sapiens

<400> 6955

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ctttggagac agagtcccgc tgtgttgccc aggctggatt gcagtggcac aatcttggct 60
cacttcaatc tctacctccc aggttcaaga gattcttctg cctcagcctc ctgagtagct 120
gggattacag gcacatgcct acacaccggg ctaaggagta aacatttttag taaccaagtg 180
gacactgaag atgttgagaa ctggtaaaca aacaatcaag caagtaagaa cagaaataac 240
agcatttggc ttttgagtta atgacaagaa cactcggcat gggagcctgg gtgagcaaatt 300
cacagatctt caagcttctg taagtggcct gcattggggg tcaccgtggt gagctacgta 360
gcaccctgga gttccacagt gcttctctga gacagccaca gagatagaag gacagcttan 420
tgaggagtcc ccactacccc atcgaaangg gacttncatg aataataagt gcttgnacaa 480
aactaactct nttctataac tcttctgntt aaaaccttag ncttttttag aatnaaa 537
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<210> 6956

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6956

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ctctctctct ttctttcttt tctttctttc tttctttgag acaggctaca gtgtggttgt   60
gtcacgcagg ctagagtgca gtggtgcaat caacagctca ccacagcttc gaccttccaa  120
gtcaagcaa tctcatgcc tcaatctctg gagtagctgg gactacagga gtatgccacc  180
gtccctggct aattttttaa acatttttta tagagataag gtctcaccct gttgcccagg  240
atggtctcaa actcctgggc tcaagtcate ctctgactc agcctatcaa agtgctggga  300
ttacaggcaa gagccactgc acccagcctt ctttttgagt gacaggactt gggctaaagc  360
acctttgact tagaagaata aaagtcagtc agcctccaga atatataaag agcacttaca  420
actcaacaaa aaaagacaaa caaccaattt aaaaatgggc aaaggacttg aatagacatt  480
tctttgaaga agacnncnaa gtgggccatg ggcccatgaa aatatgttaa gggccttggc  540
attangggaa agccaatcna a                                     561

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<210> 6957

<211> 558

<212> DNA

<213> Homo sapiens

<400> 6957

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aagatgtggg acttttggcc aggcacaatg gctcaggcct gtaatcctag cactttggga   60
ggccaaggca ggcagatcat caggtcagga gatcaagacc atcctggcta acacggtgaa  120
accccatctc tactaaaaat acaaaaaatt agccgggcgt ggtggcgggt gcctgtagtc  180
ccagctactc gggaggctga gggcaggaga atggcttgaa cctgggagaa ggagcttgca  240
gtgagccaag atcgccaccac tgcactccag cctgggtgac agagcgagac tccatctcaa  300

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aaaaaaaaa gaaaaagatg tgggactttc tctaaaccag tttctacaaa gaaagattcc 360  
 agacaacaag cttcatttca aagaaacctg tgtctgcctt ttctgtcgca aaatgtagat 420  
 ctgggtagag tttctttttt ttaaagctgc attgnactat ctttangga ttcaaaacag 480  
 ggctaataat gggcanatat gcaatgcana tctgggctat acctgggatc cccgttttgg 540  
 aaaatgccgg aaatgggg 558

<210> 6958

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6958

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 caacctccac ctcctgggtt caagcaattc tctgtctcag cctcccaagt agctgggatt 120  
 acaagtacct gccactacac ccagctaatt tttgtatttt tagtagagac gcggtttcac 180  
 catcttggcc aggctgggtc tgaactcctg acctcgtgat ccacctgcct cggcctccca 240  
 aagtgtctggg attacaggcg tgagccaaca caccgggcta tttttttttt tttttttaag 300  
 gagacagggt ctcgcctaga gtgcagcgat gcaatctgat acaatcatac ctcactgnag 360  
 tctcaaagtc ctgggttcaa agtgatcctc ccatcttanc ctttgagtgg ctgggactac 420  
 aggggcatgc catnacacc tggntcaaaa tttaaatttt tgnaaaaaac cggggntaa 480  
 caacgttgcc caagctgggt ttnaaactcc taagccttaa acgatcctat ggcttaagct 540  
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<210> 6959

<211> 553

<212> DNA

<213> Homo sapiens

<400> 6959

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agttagaac agaattttat ttttgaaaat agaaaaatca aacaatattt ttaaaatgca 60
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gttctaaaaa cataaacatt ttttgatata agtaccaacc cactttaatt tatatgtgaa 180
taagagaact tcgcttgaaa aatacaata tacatattcg agagcactac caaattttga 240
agcttaatgn attcattgcc aacgtactgn cataactaaa agtcatttta aatgttttct 300
aaacaggagac tgatgtggat atcaacaatg gnttcacct aaaactgagt tttagcattt 360
gnttaagtat atttacctat ttagttaaag ccattacaa taatctttca cccattcct 420
tggggnttaa ggnaatttc attttttta gagatgggat cttgctatgg tgncccccac 480
tgatcaaaa acctgggcct caaaaaaac ctctgctna acctctgnc cacttgggac 540
ttcnaggggn gct 553

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<210> 6960

<211> 396

<212> DNA

<213> Homo sapiens

<400> 6960

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tcacaggcgt ctgccaccac gcctagctaa ttgtttgtat ttttagtaga gactaaaaat 180
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ttgaactcct gacctcagg gatccaccgc ctttggncct ccaaagtgtt gggttacang 300
cntgagccat tgcgccagg ccctctnga nttttttaa agtggcaagg gcttgcatt 360
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<210> 6961

<211> 316

<212> DNA

<213> Homo sapiens

<400> 6961

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gggagcttgg ccactctgcat cccacttcc catagcccag gcagagggac agagaaatgg 180
agtggggagc acagagcagg ctccaacaag acaaattccc tggtncaaa ccaccatgat 240
ccactctgac ttggncaaca aactnngnta aaaacaattc tntacgttca ctgttcccaa 300
gggncattct aaacag 316
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<210> 6962

<211> 525

<212> DNA

<213> Homo sapiens

<400> 6962

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gatgactcat tcattaattc cacaagtctt tacggagtac ccactctgag ccaagtgcag 180
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aacaacaagc agatgttgca caaattaata tatagtaatt aattgtaaca aaagctacca 300
agagaagccc tggatgctca gagaacataa tggggagact taattaagat aggggtgtca 360
ggacagacta cagaaagaag aatggaaata atgtggcagg gacaacagca gggagaataa 420
accattcttt aatatcttaa ttatgaagac ttcttcttnc attcttctat tagagtcenc 480
cannaanggt cataccagat gccatggcaa natgccttga natta 525
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<210> 6963

<211> 461

<212> DNA

<213> Homo sapiens

<400> 6963

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ccccctctgac tttgtgtttt caaataactt attttggagc tcatggattc tttcttctat   60
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ttgcaagatt tgatttccgt ttttttattt ttttcaattt ctttgttaaa tttctttgat  180
acatttctga attgcttttc agtcttatct cggaaatcac taagtttctt tagaactgct  240
attttcaatt tttatcagac agctcacata ttgccatctt gttaggatga gttactgggt  300
tcttgctttg ttcatttggt gagatcacgg ttccctcttt aggcattgtg cttatggatg  360
tatattgatg tctttgcatt gaagtattat ttatttattc caatgttctc tgactgggct  420
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<210> 6964

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6964

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aattaagaga acttttgggc taggcgcggt ggctcacgcc tgtaatccca gcactttggg   60
aggctgaggc cggggtatca tgaggtcagg agattaagac catcctggct aacacgggtga  120
aaccctatct ctactaaaaa tacaaaaagt tagcctggcg tgggtggtggg cgcctgcatt  180
cccagctact tgggaggcgt agaatcctcc agttgaggag aatggcgtga acccaggagg  240
tgagacttaa agtgagccga gatcgacca ctgcactcca gcctgggcaa cagagcaaga  300
ctctgtctca aaaaaaaaaa aaagaaaaaa aagagagaat ctttaaatac agagtctgaa  360
gtaactataa cctagactct ggcttcttgc acatctgggt tactgnagtt attcacagtc  420
tcatgaagtc ccaatgcagg gtgacaagt acacctgaga ctatttncag ggaagatccc  480
tgggcttcaa gttccnangt gcgcccttac aatgtcaaag cagaacttga ccagcacttg  540

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<210> 6965

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6965

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gacatggagt ctcactcttt ctccaagct ggagtgcagt ggtgtcggcg gcttgggggt 60
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gttagtacct ctgctacca cactgccctg acacgctgac caggagagg acaggccaag 180
gtcccagaga gagcttctca acccacacag aacgggggac tcaggaggtg gggcaccttc 240
agggaagaat cacaggagcc agggacaagg ggatttattg agaaaggaa aaggccaggg 300
agaggttaca cgaggggtcg agctgggggt gtgcggaaga tggaggcatg ctggcagatg 360
gaggaagcag ggtgagtcca tggacacatg gacagatggc tctggtccgc aaacttctgt 420
ggcactgcag cctangcatt cctnctgccc atcgaggccg tattctggct acctgcaatg 480
gaatgaaaan tggggcttgg aaagcccaat cctgagtcct tgcgtctgnc ttcangggat 540
cttccttca 549

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<210> 6966

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6966

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gcagccctga cctcctgggc tcaagaagtc ctccccgctc agcctcccca gtagctggga 120
ctatcggcat gtgccaccat gcttggataa ttttttaatt tttttgtaga gatggggctc 180
tgctatgttg cccaggctgg tctcaaactc taggcctcaa gcaatcctcc tgcctcagcc 240
tcccaaagta ctgggattac aggtgtgggc caccgtgcct ggccaacatt tctatattat 300
ttcatttctt ttgaacatgt atagctttca taatctccat cttagaaaat aattgagtcc 360
tcttaaccag tcctctggct catgccagct cctggatgtt gtgctgacat ccagcatttg 420
ctcattcttg tggggctgta gggaatttca aggtcaatgc tgagctcttg aaaccaag 480

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ctacaaccct gggctgnaca ttacaatcac tggggcgcct taaaaacact acn 533

<210> 6967

<211> 529

<212> DNA

<213> Homo sapiens

<400> 6967

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 aaatctacct gtagtaacaa tgtaataata cagtgatctt ttcataaaga ttagctatga 120  
 tccaggccac tgatccaggc cataagaatt tcagtatcca catatgtaaa aggttttcta 180  
 caacaatcct atgaactagt taatatectc acatacacat tttacttctg agaatgaggc 240  
 ttttaagcaga aaaggtgatt atttttatat tgagagccat gtcgtcaaca gcagatagat 300  
 ctgattatgt ccaagtttaa agtaaacata aaaatattta taaacttcag caaatttgat 360  
 ttatacagta atgtaacacc cgatggtgcc gtttttacta caaaaatgta tttttgaaaa 420  
 ttggtatttc acttaacttt tttctgatag tccaagatt cttaaaggac atcataaatt 480  
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<210> 6968

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6968

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 agtagctggg attacaggaa tgtgccacca tgcccggctg attttgtatt tttagtagag 180  
 acggggtttc tccatgttga tcgggctcgt cttcaactcc tgatctcagg tgatctgatc 240  
 cgtcctcctn ggcctcccaa agtgctggga ttacaggtgt gagccactgc gccgggcctt 300

ctgctgtctt ttttcattca aatcattgat cttcggtgtt cttggtgtga cgggtaattt 360  
 ttctgcagta tcctgggcat tttggatatt atgttagaag actgatcttg ttaagtgtta 420  
 aatctctatt tgancaggct gtcaccctgt ttanggttcn gcgtgtacag cctgggtcttt 480  
 ttggangctt ccggttccaa tgacaatttg cttttcanaa tgcttgctnn aatgcttttt 540  
 ggt 543

<210> 6969

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6969

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 caacctccgt ctcccgggtt taagcgatcc ttctgcctta gcctccaaag tagctgggac 120  
 tattaggcgt gtgccaccac gcccggttaa tttttgtatt gttagtagag ttggggtttt 180  
 gccatgttgg ctaggctggt ctcaaactcc tgacttcagg tgatccacct cccttggcct 240  
 cccaaagtgc tgggattaca ggcgtgagcc accacgcca gcctgtaa at cttgacaaaa 300  
 ttcccagagg caaaattatt agaaggctgg gagccaggat taaaaaacat aaaatccttg 360  
 gcttttccat ttatttcaca ttgcctcttc ttagaatcca cttctacacc aaagcagtta 420  
 aaatcaatgt ggatttgtat tttaatagaa gggttatggg agtagtgga aaggtagcaa 480  
 ataataacta tggttattgg atctactggt cctaacattt ggacctatcc aatcatttaa 540  
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<210> 6970

<211> 330

<212> DNA

<213> Homo sapiens

<400> 6970

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taatcccagc actttgggag gctgaggcaa gaagactgnt tgaggctagg agttccaggc 180  
aagcctgggc aacatagnga ccctcatntt tncaaaaaat taaaaaatta gttgggcatg 240  
gnggnntatg cctgtagccc ctggctatta gggaggctga ggtaggagga ctgnttgagt 300  
ccnggaggtc aaggctgcan tgagccaana 330

<210> 6971

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6971

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ctcaagcgat ccacctgcct cggcctccca aagtgccagg attacaggcg tgagccaccg 120  
cgcctggcca cacaaggcat tttggcatta acgtatcaag tcttaaaaat ctgtatatca 180  
tttgtccccc aaatttcatt tctagggatc tgatgcaaag aaatagatca aatatataaa 240  
aagcacgtac cagtacagta ataaaaaaat ttgcagctgg gcgtgggtggc tcatgcctgt 300  
aatcccagca ctttgggagg ctgaggcagg cggatcacga ggncaaaaaa aagttgtaag 360  
gaagtcctcc ataaatttaa gaatccattt gattcttttt atttttctga gatatggctt 420  
cactctgttg cccaggttgg aggacagtgg cccattgtg ggtnactgca atcttgacct 480  
gnttggcttn aagngacctt ctggcttagg ctccaagcnn attgggcttc ngggccccc 539

<210> 6972

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6972

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 actacaggca catgccacca tgcccagtta atttttttgt agagacagag ttttgccata 180  
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 gtgctgggat tataggcatg agccactaca cccggcctca tatgacattt ttaatgggta 300  
 agatacaatt aatttactgt gtgaccctgg acaagttaac tctgaatctc agtttaacct 360  
 ccaatagatc agggttacag gacccatcac ttagagtagc tatgaaagtg acaagagaag 420  
 gctttgtaaa atactaggna tatataatgc ttggcaatag tgnatggttt ggaagtattc 480  
 atgaatttta atcatttaag gnttaatggn aaattttctg ggtaaacct acttatntta 540  
 aan 543

<210> 6973

<211> 535

<212> DNA

<213> Homo sapiens

<400> 6973

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 ttacagtcac gtgccactgt gccagctaa ttttgtattt ttagtagaga tggggttact 180  
 ccatgttagt caggctggtc tcgaactcct gacctcaggn gatccaccgg cctcagcttc 240  
 ccaaagngct ggaattacag gcatgagcca ccgcgcctgg ccccaaactc catcttgaat 300  
 cgtactcctc ctgtaagtca cacatgttgc tgggggggga ctggtgggag ataatttgaa 360  
 tcatagggta ggtttcccc atactggtct ngggaaaggg aaataagnct caagagatct 420  
 gaagggtttt atcaggggtt tccactttta catcttcctc aatttctctt gccgccccca 480  
 tttaaaaagg gcctttaact tcccgcattg atttganggc tccccagcca tgggg 535

<210> 6974

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6974

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gagagagggt gttgctctgt ctgcagtcac agctcactac agcctcgacc tcccaggctc   60
aagcgatcct cccacctcag cctcacaagt agctggaact acaggcatgc gccaccatgc   120
ccagccaatt tttaaatitt tagtagagac aaagcctcac cgtgttgccc agttgaactc   180
ctgggctcaa gcgatgctcc cgcctcgccc tcccaaagtg ctgggattac gggtacaagc   240
caccacactg ggcctacttc tttatcaaag aagcccttcc tgaacaacac agaaaccccc   300
ctagagggtc cgtaatgaga accgaacaga aaaacccccca actcaggttt gctgggcaat   360
ccttcttttc cacagaagct ggaccagggt ctgttaccat taaaaaata ctggattcaa   420
tatttttaaa gacnagaagg gaaagagaac aggttcttgc aaagagaggt acagctngat   480
tctttcaagt cacacgaact ccngacttc ggggccaaac cagccggctt ang           533

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<210> 6975

<211> 514

<212> DNA

<213> Homo sapiens

<400> 6975

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gtttttcctt ttagtaagaa aaactttatc aaaaatttaa atatataaaa taaggccaga   60
ggctgcactg gaggccactt cccagtgggt cactgctgcg ctgggtgtcc ctatgcagct   120
agatacatgt taactgcata gagtaccata aaggagccca ctggtgagct tcaactgtcac   180
ctggccctgc tggctggggc ttccattgtc tactgggtct gtccacaccc cagattgcct   240
tgtggtcctt tcccctggcc aagaagataa cagtttttta aaaatcccct tctgatatgg   300
atgtgagcaa gcagtggggg tcagtttggg accaagtagt gccatttaca aagagcatgg   360
gaagcacctc cttaggaggg gagcagggcc atctccacgt tgtcaggggc cgcgcccgtt   420
gcctgccaga ccctgggccc acttgtgcan gcggctgtan antgggaagc cctgggtntn   480
acgggcaaag tagaccccgg ngaatgnatt tcct                               514

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<210> 6976

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6976

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ttacaggcat gcgccaccac gtccggctaa ttttgtatct ttagtagaga cagggtttct 180
ccacgttgct caggctggct tcgaactccc aacctcaggt gatccacccg cctcggcctc 240
ccaaagtgtg gtgattacag gaggtagcca ccgcgcccgg ccattcttac tttttcttta 300
gtttgtatta ttagtaaaga cagggtttca ccattttggc caggctggct tcaaactgct 360
gacctcaagt gatccgcccg cctcggcctc ccaaagagct ggggttacag gcgtgggcca 420
ccgtgcccag cctactatct accatattgg ttcattccaa aacattaaac cttatatctt 480
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g 541
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<210> 6977

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6977

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ttaatgtttc tttggcaatg gaatataatg gaattttaca actatataaa aaagttacct 120
ttgcctaaga aacagtatct actgtgtgta catagttgac tgacaaaatt ctctaccatc 180
cagcacccta attaattgac gaaataagct acctcatatt acaggattcc ccaaaagaaa 240
ggaggaaaaa gacacacaca tacacacaca cacacacaca cacacacaca cacacacaca 300
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accttctgtg gctcaaaaca cagtatcacg gccctatntg caggcaactt gcaattgccca 360  
aatacaattt agtgataaaa aaaaaaaacc tttcaagtga tggaaaaaat acttgттаag 420  
tcccactgaa gtactgcttt aggttaacta tncntangaa attacttaaa cttctgcttt 480  
tccaaatntn ttaatngctc atggtttaaa gatgagcctt tcnaccccc aaaggtacct 540  
g 541

<210> 6978

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6978

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gccgttctcg cttatggttc cacctttggg gacgagcagg ggtaaagctt attgggaatg 120  
gcagcctcct ccttggagcc ccaccctttg cgttttttgg atcaaggag ttaaaacagt 180  
ttattgccta ctgcatatgc agcaatgatt tttcaatcac ttattttttt tgacaccaat 240  
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ccagggtagc aaganggtta agaagacagc agggaacccg tgangtactc tgggttnaag 420  
gatcccagtc ttttgaaacc acanggtgga canggcttnc tcagcttaag gctggagcaa 480  
aatgggcaat tctgaagctc atgtactttt gaaaatattt aagagtacca gnggctaaag 540  
c 541

<210> 6979

<211> 543

<212> DNA

<213> Homo sapiens

<400> 6979

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 cagaagaaag ggagaaaaat ttataaccgg acttactacc aacagctagg gacctgcaaa 120  
 aaagccaaat tcagaaataa gagctgatac gtgcagacag tgacaatgta gaaaccagct 180  
 cccacgttcc cagcgagttc ccagcaagtt ccccgcggtc cctccacaaa tcagcacaga 240  
 gcaaatcatt tcacactgtt tgtatcaagt gcttggcaca ggaagatgcc acaagggtcaa 300  
 taaaatacag acaatattat tacttaaate ctataaaact tttctgaggc tggatgtggt 360  
 ggctcatgcc tgtaatccca acactttggg aggattgccc gagcccagga caggaggntg 420  
 aggcttgcag tgagcccaag attgatcctg ctactgnact tccagcctgg gagacggagc 480  
 gagatactgg ctcaagaaag gaaacaaaaa acttttttgg gagattacct tccggatagt 540  
 act 543

<210> 6980

<211> 504

<212> DNA

<213> Homo sapiens

<400> 6980

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 ctacaggcac gcaccaccat gtcagctaa atttttgtat ttttagtaga gacgggggtt 180  
 cactgngtta gccaggatgg tctcgatctc ctgacctcgt gatctgccc cctcggcctc 240  
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 tttaaagaaa tggnttactt ttattagtta ctacatataa tttttttaat tggattngga 420  
 aagcttttta aaaagctgaa caatanttgg gtactttatc tactaaaggt taagggaatn 480  
 gatntttact cccaatnaan ngaa 504

<210> 6981

<211> 511

<212> DNA

<213> Homo sapiens

<400> 6981

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cccgggtccc ttccgcctgg gttcacgttc acgtttattc aaacaacaga gccgactcgg 60
gcgaggtctg ggagcggcgg gcgggcagtg tcgcctcctg ggctctgctg acccctgggtg 120
gtgggggtcgg ccagggtcgg gacctagccc agccccctctc ggccgntgct gaccgccatc 180
ccccacaccg ctttctggag cccgcagagg gaggcagggg cgtccccggg gacagctcag 240
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gaggccagag ggtggcccct tcggttaagt gtctggggag cggcccggga gcccagaggg 360
gtcgtcgggg gaagcgcggg gcacgtgctc gcaggtgatg aggtgggtgg gcagcgcctg 420
ggtgtcgtgg aaaatgacca aaatctgggc ttggcaaaag cannccacgg ggctttntta 480
anccaagaac ncctgggccn gaaccccaaa a 511

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<210> 6982

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6982

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attaccagaa gaccgagtag catgtatacc tttattctaa tctcctgaaa aaatttagaa 180
ggctatgctt aagaaaatgt tggtagtaga tgtaataata aatcaatata ttcaagttta 240
ggcccatata gattcccaac tagtgatcag ttccttgctt cttagagtaa ctgagcaaatt 300
atatgatgaa aagcaatgta taaaattcta tccaagaaca aatttgtgat gttcaaaaac 360
aatcctttgt tatattgaca atatagattt aaatatagct ttatataata agtttgtcag 420
ggtaaagtca gaaaggatgt gaactgagaa gactgcanaa agtttctggg aagggaaaaa 480
atccacttct ttaantggta tccccaagggt naanggggtc naaagncatt cttt 534

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<210> 6983

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6983

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tcaaaataat tacatgatcc tttaaaagca gagaacattt cccgacgaaa gtcagagaga  180
tgaggcctcg tgagaaggat tccacacact cacactctcg ctggctctga gatgtaggtg  240
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cgcagggaag cagggacctc agtccatcag gcaaattgaa ctgaattccg ccaacaaggc  360
gcagaggcct ggaaacagat gcttcattag agcctctagg agggagtaca gcctggccaa  420
caccttgatt tcagccctgt gaggcttgaa gccacacac cancccgggc ccactggact  480
tttnacctac agaactgnga nggagtaatt tgctatatttt aanccggtaa aagggggcta  540
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<210> 6984

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6984

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tacaggcacc cgccaccatg cctggctaatt ttttttgtat ttttagtaga gatggggttt  180
caccgtgtta gccaggatgg tcttgatctc ctgacctcgt gatctgcca cctcggcctc  240
ccgaagtgat gggattacag gcttgagcca ctgcgcctgt tcccaggaag ctcagagtct  300

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ctcacaggcc ttttcagttc ctggggctct catatttcct cattctccca gactcctctg 360  
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 caacaccaac tgagatgaat gccnctggaa tggcacangt cagtatggca agaaatacca 480  
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<210> 6985

<211> 539

<212> DNA

<213> Homo sapiens

<400> 6985

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 ctacagatgc ccgccaccac gcccggtctaa ttttttgtat ttttagtagt tagccaggat 180  
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 aggcatgagc cactgcgcct ggcccaagaa gctaattttc atatggaaca tatgaagaag 300  
 aacacttgat gtttactagg ggacagtcac catgcttgca cagcaatttt aataagttaa 360  
 ctctaggaat tatgaaacaa gcgccaaaaa gcagtacat catcacagag tcataggctg 420  
 ctgttatagc tgggaggaaa catgggtgtc acctacttca acactttaat ttccgagatg 480  
 tggcactnan accattcgga aagtaagaag acnttccctna tgcggnaaaa ctaattagn 539

<210> 6986

<211> 534

<212> DNA

<213> Homo sapiens

<400> 6986

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aaaaggaaag aatgtgtcac ctcttttcta tcacaattgg gggcttaaga atgcaggggt 120  
 ggatgtatca acccccagaa agttacaagt ttaagccagg aattctggcc aggcaatcat 180  
 ttttagtaat acccttgagc ttatgggagt ggaagtttgt attttttttt ttccaaagta 240  
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 attttacctt catagcaacc tatgaaacct gtgtaggaat tgacatttga tgacaaggtc 360  
 tgttcaaate cagcacccat gtgttactta ccactcttta taatttttta aaagagattt 420  
 ctcttctga atccctatct ttttttgaat ggccgaatan gaaaaattaa aatctgaaaa 480  
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<210> 6987

<211> 541

<212> DNA

<213> Homo sapiens

<400> 6987

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 cattgcagtc tcaactcccc aggctcaagc gatcctccca cctcagcctc ccaagtagct 180  
 gggactacag gtgtgtgtgc cgctgtgccc agcaaatttt aaaaaatttt ttttgtgata 240  
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 aaggctttta aaattagaat catcacagta taatttccat atatagaaat tatttaaatc 420  
 cccaaaaatt acctttcttt tttctcatc agggggcatg tggcttatgt aggaacctca 480  
 agaaactaat ggatatttgc ttttgaatc cattaactgg gccaatgggt tagccagttg 540  
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<210> 6988

<211> 536

<212> DNA

<213> Homo sapiens

<400> 6988

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aaaaatgcct ggaaatcact tgctagttac agagatacat ctcaaagcat aacaagttta 60
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gtaggggtat atgcgaacac taaactcatt tccagccaga tgctctttgt aactgccacc 180
atctcaaacc tgccttagta attaatacact atgttaggag aacacaaatg tttgtaaaac 240
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aactggcatt tatttaatac ttcggtgtgt ataaaaacag aaaacaaacc taacaaaatg 360
gaggcagttt tattagaata ttatcaataa ataattttgc cataattttg tcataataag 420
tgtcaattca cacttggacc atacagttcc tttgtccaga ctaaattctc tatacctcct 480
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<210> 6989

<211> 533

<212> DNA

<213> Homo sapiens

<400> 6989

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gagatggatt cccgctcttt agcccaggct ggattgcagt ggcacaatct tggctcactg 60
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tagaggcacc tgccactgcg cccagccaat tttttgtatt ttttttagta gagacggggt 180
ttcacctgg tctcgatctg acctcgtgat ccacccgcct cggcctccca aagtgtctggg 240
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cctttggttc aaacttcctc ctttagctcg gagtagtttg atcttctgaa gccttcttct 360
ctcaactcgt caaagccatt ctccgtccag ctttgttcca ttgctggtgg ggagctgcgt 420
tcctttggaa ganganaggc gctctgattt taaaagtttc cgggttttct gctctggttt 480
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<210> 6990

<211> 540

<212> DNA

<213> Homo sapiens

<400> 6990

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cacttttttt tgaggcaggg tctcgctttg tcgcccagac tggagtgcag nggcgcaatc 60
acggctcact gcagcctcaa gcgacccctc cgccccagcc tcccgggtag ctgggactcc 120
aggcccgcg caccacgccc tgctcctctc tcctccaatt cttgatcggg ctggacgtgg 180
gccagcgggg tggggcgggt ttaactccgt gtctggaatg ctccgctgcc ctaccctca 240
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cagaaatcgc caatattggc ttccccaaga aataacctca tttccttttt taacctaaag 480
ccgtattatt cttgccactt tttttnaatc tataaaaact ggngttaaat tttttggttt 540
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<210> 6991

<211> 530

<212> DNA

<213> Homo sapiens

<400> 6991

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gcaacctcca tctcctgggt tgaagcaatt ctctgcctc agcctcctaa gtaactggga 120
ttacaggcat gcaccacctc acccgctcaa ttttgtatit ttagtagaga cggggtttct 180
gcatgttggt caggctggtc tcgaactccc gacctcaggt gattcaccca cttcggtctc 240
ccaaagtgtt gggattacag gcatgagcca ctgtgtctgg cctttttttt tttttttttt 300
tttttttgct aatgtaaaag atcatagaat atcagagata gngaacatta tcatttccat 360
aaatgtacat ttccacacg ctgagtacta tctaaatit ctattgataa actctgacca 420
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ctntttcagg caattcatgg acttacttta gcattatcat taangntgaa aggtctagaa 480  
ccattaggaa caagggacca tttttacca ggtacttaac tgggtggngg 530

<210> 6992

<211> 563

<212> DNA

<213> Homo sapiens

<400> 6992

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gaaaggccca gatactcctt ctgcccttgg caatgaagac acacagtgcc aaccagaagt 180  
ttgcatctta agtgtggtga ctcacagaca cagggacaat caagaaatca gtctaacagc 240  
agcggaggaa tcataacatc ttatgtagat ttcattcttt tatgagcctg gcttatttca 300  
actttcctgt ccatttagtg agctaccaga tagctttcta ataaaaattt tctgcttagg 360  
ccaggcacgg tgcctcacgc ccgtaatccc agcaccttga gaggccaaag gcgggtggat 420  
cacctgaggt caggagttag agaccagtct gccaacatgg agaaacctgn ctntactaaa 480  
aattccaaan tagcaggatg tgggtgtgca tgcctgnaat cccagttgtt caggaggccg 540  
accaggaaa attggttгна ccc 563

<210> 6993

<211> 557

<212> DNA

<213> Homo sapiens

<400> 6993

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ccttgagagt gaagtctaca gaaatgcagg ccagaaaggt gtaaggtgtt attccagtct 180

gccgccgcta aggccgttgg gatcgacgcg aaagatctca atagtactaa gaacccaaaac 240  
 cagtcaacag ttctgtgagg aagtctgacg cacggaatag taggactttt cacacacaaa 300  
 ggacaaataa accaagagtt aattttggct accaaaactgc aatttggttt tctaggtcat 360  
 tttcccccaa ctatttaaaa agaaacatta gtgctacaca tatgcaactt taagatgctg 420  
 gattctccta tcaagttgca ctgagaaaca agtgaaataa gccctcgga ctggccgtca 480  
 cctgccagac gtcacatcca tttcttggat ttccattggc acagcnggga ataattccaa 540  
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<210> 6994

<211> 564

<212> DNA

<213> Homo sapiens

<400> 6994

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 tgtcctaaag ggaagtcaca gcagcttagc tgtttctcac agatcagaga ggatgggtggg 180  
 gcagccagga gtcattcagta aaccaggtg agcagtgacg gactgaatgt cgctgtccac 240  
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 tgtatagtgg aaagcacaga gccaatgagg gacaggatgg ctgtggtgga gggaagacag 360  
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 cgcaaggtg tggctggcca ttcctttcct cgcgttgggg tttctccgtg tcagcgagcc 480  
 tcggtacact gatttccgat caaaagaatc atcatcttta ccttgacttt tcaggaatta 540  
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<210> 6995

<211> 559

<212> DNA

<213> Homo sapiens

<400> 6995

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gattacaggc gtgcaccacc atgcccggct agtttttgta tttttagtag agacgggggt 180
tcaccatggt ggtgaggctg gtctcgaact cctgaccttg tgatccgcct gccttggcct 240
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ctttagggtt ttcaaagtaa acaatcgtat tgnacgaaa cagtgaccgc ttgacttinct 480
ctttactgat ttggatgccg ttttaattctt tctcttggct gatgctctgg ctaggacttt 540
caaggctatg ttnaaaagn 559

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<210> 6996

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6996

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cttttttgag acagggtctc actccatcac ccaggctaga gtgtaatggc atcatcacag 60
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ctgggactag gtgcacacca ccacacctga ttaatttcca cattttttat agagacgggg 180
ttttgccatg ttggccaggc tggctttaa ctcttgggt aaagcaatcc accgcctca 240
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ttgtgcctaa ttcataaatt aaactttatt ataggtatgt atgaaacaaa acatagcata 360
tatacagttt ggtactatat gtggttttca gacatccact ggggattttg gaatatactg 420
ctgtacagga cacataagga aatgcatagg agataaagtt agagaaaatg tccattataa 480
gtgggtctgc atttcaaggt naagcattcg gctttatcct gnggacaatt aaagaattag 540
gaaatcttnt gatagaatag ga 562

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<210> 6997

<211> 549

<212> DNA

<213> Homo sapiens

<400> 6997

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ggaacaagac agagtcttgc tctgtcaacc aggctggagt acagtagcgt aatccccgct   60
caatgcaacc tccgccccct gggttcaagc aattctcctg cctcagcctc ctgagcagct  120
gggactacag gtgcccgccca ccacatccag ccaactcctg tatttttagc agagacgggg  180
cctcaccatg ttggccaggc tggcttcaca ctctgacct cgtgatccac ctgcctaggc  240
ctcccacagt gccgggacca caggcatgag ccaccgcacc cggccaggca ttgatttctt  300
aacaggaca caataagcag taaccataaa ggaaaagatt gataaagtat atttcattaa  360
aattaagata cnttggccgg gtgcagtagc tcatgcctat aatcccaaca cttcgggagg  420
ccgaggcagg tgtatcactt gagcccagga attcgtatcg ggctatgcaa catgggaaaa  480
cccatgtnt agtaaaaatn ccaaaaacag tgancatggg antggctctg taggnccann  540
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<210> 6998

<211> 562

<212> DNA

<213> Homo sapiens

<400> 6998

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caatgttcat tgcagcttta tttgtaacag caaaatacta aaaacaaaac aaaaatccta   60
actgattaaa tgacatcatt aggaaatggc taaagggtgtt attgcacatc catgcaatgg  120
cctttttcct ttttaagccag tgattctnaa ctgggcacaa ttttgcccga tctagcaatg  180
tctggagaca ctttggttgt cacaacagtg gaagaaggta tgccatagca cctaattgggt  240
agaagccagg gatgctgcta accctccttt gatgcacaag acagccctcc acaatgaagt  300

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atattcagtg canaggggtcc ttgacttatg atgggattac atctcgataa acccattgta 360  
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 ggggcctgtc ggcggttgg gggcaagggg agggagagca ttaggacaaa tacctaatagc 480  
 atgtggggct taaaacctag atgacaggtt gacaggtgca gcaaaccacc atggnccatg 540  
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<210> 6999

<211> 561

<212> DNA

<213> Homo sapiens

<400> 6999

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 ccatgttggt caggctggtc tcgaactccc gacctcaagt gatctgccc ccttggcctt 240  
 ccaaagggt aggattacag gcgtgagcca ccatgcaggg caaatitttc tattttttta 300  
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 cagacttggc ctctctgggt tangcaatct tctgcctaa tctctcaaag gaactggaag 420  
 tgcaagcccc gtggctggct aatttttgn tttttggttg aagaanggt ctcaaactcc 480  
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<210> 7000

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7000

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actgccacca caccagcta attttggtat ttttagtaga gacagggtgt tcacatggt 180  
gccaggctg gtctcaaact cctgacctca ggcgatctgc ctgcctttgc ctcccaaagt 240  
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gtaaaagatt ttcaatgaat caaggaaaga atcttaacta gttgtttgag ctgagtttnc 480  
tatggactaa aaatgcatga aaactgctgg atcttaactg gttacagcag ttccttangg 540  
nataatctgg gtgaccnc 558

<210> 7001

<211> 385

<212> DNA

<213> Homo sapiens

<400> 7001

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tgctggagag ctgccaggcc atgcccgggc acaggctagt ggggctcctg gctcagtcct 180  
gatagcagng ccaggagggc gtaaagtga cacatgcggc cctgggcctg cggctccan 240  
cacacgtggg gagtgtcctc ccccagctgt aggccacact cgtccagcaa gaccaggcc 300  
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tcctnccagc gggcantntg ntcaa 385

<210> 7002

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7002

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caagctccgc ctcccgggct nacgccattc tcccgcctca ncctcccag tagctgggac	120
tacaggcacc cgccaccacg cccggccaat tttttgcacc tccagcagag acggggtttc	180
accgttttag ccgggatggg ctcgatctcc cgacctcatg atccgcccgc ctnggcctcc	240
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aggaagagaa agcagcacga ggagggctca caaagggaag tgaggctcac tagaacagcc	360
ccaggcataa attgcagggg aaacctgaaa tcaactgntc ctaacccaaa acaggcacgt	420
tcgtcaagca tgaaccagca gcaagaanct tctttggnat tcagtcncaa ggatctaatt	480
taaattcang gaccttgga ggctattgcc atgngactg gtaaaatcta ggaaatcanc	540
ccttgctt	548

<210> 7003

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7003

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gagatatgtt gaaataaatg attccagcca ggtgtcgtgg cacctgccta taagctcagc	180
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aacatggaga agccccgtct ctatcaaaaa taaaaatta ggtgggagt gtggtgcatg	300
cctgtaattc cagctactca ggaggctgag ccaagagaat tgcttgaacc tgagaggtgg	360
aggttgtgtt gagctgacat ggtgccattg cactccaacc taggcaaaa gagcaaaact	420
ccatctcaaa gcaattaatt aattaattaa taaaagaaa tcatgatgca tgcagagctc	480
agcagganaa gagagtacag catgtaggtg atggaccccc taatgcccatt tacaatttcc	540
ntagcacncc can	553

<210> 7004

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7004

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gcttcacagt ggtttaatat gaacagagtt gaatatgaca ttgtctgaca gaagaatgaa   60
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gactctcagc acttgtgcac aatgaaagag gaaatcgttt ttaaaaaatg tctataacag  180
aggatacaaa tcaaaaaggc agcaacaaca acattggcga ggtgggaaag ggagcagagc  240
ctctcattag gggctgctta gcccctggcg caggctcagc agctggagag ctgtctcagg  300
gaacttcaac atttagatgg gtccaaatc ctatgtcaaa atacaatcct aatctctctg  360
atcagggtca gtcagaatca gcaatccttt tccacagtgc cctgcataga aaactccaat  420
ctttccatga tagggagtct aagcaaagag cccccacctt tcacctggca ccaaagttaa  480
cttactctta ccccaccact ttgggacaag acgtttggcc ccagcaacaa accaaccctt  540
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<210> 7005

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7005

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gtttcttttt gagatggagt cttgctctgt ctcccaggct ggagtgcagt ggtgcgatct   60
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cgggggtttcg ccatgttggc caggctggtc tcaaactcgt aacctcaagt gatccacca  240
cctcagcttc ccaaagtgtc gggatgacag acgtgagcca ccatgcctgg tcatgttttc  300

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tgtttttttt taagacaggg tctcactctg ttgcccaggc aggagtgcag tgtcacagtc 360  
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 agagtagctg ggaccaaagg tgtacgccac cacacctagc ttattaattt ttgtagggac 480  
 aagggtctgg atctggtggc taagctgggc tttaaactcc gncctaaac gatccttctt 540  
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<210> 7006

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7006

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 gcgtgtgcca ccacgccag ctaatctttt gtctttctag tanagacggg gtttcacat 180  
 gttggtcacg ctggtctcga acccctgacc tcagatgac cgccctcctt ggcctccaa 240  
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<210> 7007

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7007

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 ttcttgcaaa ttactctctt gagtacgtaa ttctgtctcc tcatctaact ggggcagctt 180  
 ccaaggcaga agagacaagg cctctccaat ggaatgagta tttcctccag gtctcctcca 240  
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<210> 7008

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7008

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 ttactcactc tactattttc tacaaactcc ctcagtaact gaccaaagat cagccttatg 180  
 ttcatgctat ttcanaaaga aatgaaaaac attcagagaa gtggagataa gaataatctt 240  
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 acttatgcc a cctggngggc agcccagata acactaataa aacctaaaat tcatnggtta 360  
 atatctcaat ctggattgga ttataacaaa tcatacagga agttgtggca acatgggttg 420  
 aaagagttga ttataccagc ctcgctctca atactttttg ngacgtaacc aatttttagn 480  
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<210> 7009

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7009

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cctcatcttc ctcttcttgg aaattaggat tgnaaaagt ctggtggaag gagctgggct 480
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<210> 7010

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7010

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acccccggct aatttttgta ttttttagta gagatggggt ttcacatgt tggccaggct 180
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gccactgcac ccagcctgag gctgcattt tcttggggct tctcccagt accccttcca 300
ggtacttcca gacaccctcc ttggttcctt gacaaggctc tttctgatgc ccttcccagc 360
ccagaacccc acctncagaa ggcaggcagg ggtgcaggca gcagccgggc caggtgcccc 420

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cctgtgtttt ccagcaatgt cttgggtgtg ttgggtcggn taatgatttc caccaagttg 480  
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<210> 7011

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7011

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 tgatccaccc gcctccaact ccaaagtgc tgggactaca ggtgtgagcc accacgccc 360  
 gctgacctca gtcttataac cacaaggaat tgaatttggc aaagcccagc actgctatca 420  
 ccctgatttt ggccttctga aaccataggc agtgaactga ggtgagccat gccagacttc 480  
 tgacctaaaa gagctntaag ccaaaaaagg gggtgncctta actctacatt ggggtaactt 540  
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<210> 7012

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7012

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gggtcagggt ggcagaacct gtggagaagt aacaagcacc ttgtcgtggg taacaaaact 180  
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 aacctctgcc ttctagattc aagcaattct ccagcctcag cctcctaagt agctgggatt 360  
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 gatacgctg cctttggcct cccaaagtgt tgggattata ggcatgagcc accatgcctg 480  
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<210> 7013

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7013

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 aagacatgag tgtgagcctt ctgttatgcc cagacagggc caccagaggg ctccittggc 180  
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<210> 7014

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7014

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acagggtgcgc accaccacgc ctggctaatt tttgtatfff tagtagagag aggggtttccc  180
cagggttgcc aggctgggtc cgaactcctg acctcaagt atccacctac cttggcctcg  240
caaagttctg ggattagacg catgagccac cgcaccacgc cccactttcc ctatfffaca  300
catgaggaga ctgaggcttt gggaggtaat taatttgctc tagctcacac aggtagcaac  360
tagtggactg gaattggaac ccagtcagtc ttgattccag acccaagtta ttataccacc  420
cctcgcccag aagttctcat gtgggctaca cttcaagagt taagtcttgt ttgaatctcc  480
agcatctagt ataatgcctg acacatattg aaaactcaaa tgcttattga ttgaatgaat  540
gaatgaangg nccaatggac caatg                                           565

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<210> 7015

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7015

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actacctccg cttcccgggt tcaagtgatt ctctgcctc tgcctcctga gtaggtggga  120
ttacaggcat gcgccaccat acctggctaa ttttgtatff ttagtagaag cgggggtttc  180
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cccaaagtgc acccggccaa cacgtgtfff ttcaaatgag ttaataataa tgttaagtgc  300
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ggagttatat aactattata acaaacacaa tgggcccttc taagagttac tctgtttcat  420
tgagagttct ctatctgtff aagtagcacc tggtaggaag ttcccaact tacctgagac  480
ttgaagtaaa gtttcttgtg ggggtggcaag tcatctgcag aagccaatgn ctaaatgcat  540

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gaatgtntgc cnaaaanaag gc

562

<210> 7016

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7016

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agcctccga	gtagctggaa	ttacaggcgt	ccaccacat	gccagatag	ttttgtatt	180
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aaaaaccaac	acatttttcc	agaagcagga	actgctaact	gctctgtgg	agaccaagtg	420
gtctggcttt	gatccagatg	gctggtacac	ctggacacat	atgtctttga	cttcctctgt	480
aagtgaacc	ccaggggggtg	aaaacaggac	tttcaacacc	taatcctgna	ataattttaa	540
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<210> 7017

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7017

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aaatttcttg	tctttttgta	aaactcaatt	gaaagtattc	catcttgaca	ttctgacagt	180
tctgatgttg	tgcaagcatg	caggcttcat	tcaactctgc	tgctggacgt	ggccacaccc	240

tcctttgaag gaagaggggt acagcaggcc aagatgctcg gcagcctttc ctttccagtc 300  
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 catatatggt aaaatgcacc catctgaagt gtagagttca atgagttttg acaaacataa 420  
 catcaagcca caatgaagat acagaatatt ctcatcatgc ccagaaagtt cccttgtacc 480  
 cactggtagg gagtctttcc ttcacacca acccangcaa cacagacatg ccntntgncc 540  
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<210> 7018

<211> 244

<212> DNA

<213> Homo sapiens

<400> 7018

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 acaagcacct gccaccacac ccggctaatt tttttgtatt tttaatagag atggggtttg 180  
 accacgttgg ccaggctggg cttgaacncc cgacctggag aactgnccac gnnggncgnc 240  
 naaa 244

<210> 7019

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7019

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aagtgttggg attgcaggca tgagccaccg ctcccggcca aacatagtat aactttctgc 300  
gcagtgtttt tagttatcta gaagaaagtc tcctgccatg taagtcttta atataatctg 360  
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aaaaacaagc tgnacacaca atacaaaatg ccttaatttc tgganggccccc aaaagggcct 540  
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<210> 7020

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7020

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<210> 7021

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7021

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ccttcttaag gaaactcctt ttttgccttg ggctcaagca agncctttgg nccggggtag 540
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<210> 7022

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7022

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<210> 7023

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7023

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aaagaagtca gtgagcctta aagagaaact tttnaatntc ncaggtngag gccaaaggaag 540
aaaaangaaa ggaacccgnt c 561
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<210> 7024

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7024

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gctgttgnc aggctggaat gcaatgggta cgatcttggc tcaactgcaac ctccaccttt 420  
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 acgttggcta aattttggat ttttgnagg catgaggttc nccatgttgg caagctggtc 540  
 tcaactggcc cgtttgg 557

<210> 7025

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7025

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 aagctcaact tcacactcat ctggaaacat ctaatatctt ttcaaacaca tgtattttgt 360  
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<210> 7026

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7026

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 gaactcttgg nctcagctga caattttttt ttttgagaca gatttcactc ttgtgcntan 480  
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<210> 7027

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7027

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 tctatggacc gaggccctga aacgcgggca gggaggggca gagaacgcac tggcttgggg 240  
 gtgggcacca gcctcagacc cctcagcagc tttgggccct cggccgactt tcccaggcag 300  
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 gataagcaac tgggggctga gattcccagg gcaagcctgg cccaacaggt caaggcgcca 420  
 canggggcca tcaggctccag ctggcgcaag ccgcanggga aggtctgctc tgacctgggt 480  
 gcttgcattg gtccttcaag ttgcacactt gaccaagcaa ttccganggg tacaagcttn 540  
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<210> 7028

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7028

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aaggaaaaat tgcccatgat gctgagataa taccagtgtt tttagtggta gaaaatatta 180
tttttttata aaccatatct aaatatcttg agataaaaaat tcccctttga ctttttttcc 240
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taccatgaag gtctaaatgt aagatgactg taggacttga aacaaaaaaa aattaaaaag 480
gatccacact cattcttggg attttgaagc caaagncttt tcctaattct taaaggatat 540
tggggatggg ttaacttaaa agnggn 566
    
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<210> 7029

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7029

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ccccttcagc agagctgacc ttctcttgg gtatcctggc aatggggagg gtgcatgcca 180
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atgtcaagta atggctcctg caactaatca ggttaataat tgcattatca tatttgtaac 360
caccagctc aaaatccact gaaattttca cttaaaggat tttaaagagc attaaagaaa 420
acactggtn ccaaggttaag ggtgaaaaat ntcaagaatt tnaatanggg gacagaacaa 480
    
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gtcctttcca tagtanaaaa 560

<210> 7030

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7030

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ccaaaaagca gatgaattca tcccgtgcta atcgcagggc taaggaaaag acccaactga 120  
aaaagtttgg aacagcaggc ctggatgggt attagtttct cactccatcc aataagcaca 180  
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agaattcttc cggtcgccgg gtatgggaaa ccaaaatggc ttccaccaa agaaagtaac 420  
atcttcatgc tctgcgcacc ggagatgagg ccccgactca cctctgaaga aagcaaagca 480  
tgtgcccttt agaatcnaag gttggactct tgaaaagtgt gtggtcangc atgtttcang 540  
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<210> 7031

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7031

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gcgggggttag gagtcggcgc cctcgtcctc ctcctcgggc aggatctcca ggctgctgtc 180

gggctgcggg gctgtgtccg tggagggcgg cggggtgggc ggggcccggg tgggcgacag 240  
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 gatctcctgc acgttgtggg gcaactcggg gcaggcggtt agctgcggtg cagggcctng 360  
 gcgcgggtca acacgtcctc acgcttaagn ttcataggca agcttcgtga tgggcttgag 420  
 gatcttaatt ggagnccaaa nccggacagc atggaggggg ncccttttca tgtccaagaa 480  
 tggnaaggc caccaacang tgcaaaattg gggnaaggg aanccttttc acaagaactt 540  
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<210> 7032

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7032

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 ttttattcta caaatgaaat gaataaaatc acctgaaatg gaacggaatg gctacagcga 180  
 gtgnccaaag accacaaaac tgtttcctga catgtgctta gcatatttaa attgttctca 240  
 cagtatcatc ctgagagcag agagagcagt ccaactgctc cacaggactg cagagaggga 300  
 accaatccat ctattttctc aataatggtg atnacagaga tggaatgctg attgccaaat 360  
 cccaaacaca cacgggcctc tcacccaaag gccatgatgc ctttggtta atacngaata 420  
 aacccaatcc tgtccaaaca gcttctcang gngcatgttt ttgaaagggg caaaanatan 480  
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<210> 7033

<211> 488

<212> DNA

<213> Homo sapiens

<400> 7033

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gagatggagt ctcactctgt caccaggct gaagtgcagt ggtgcgatct tggctcactg 60
caacctacgc ttcccgggtt caagcgattc tctgcctca gtctcccaag tagccgggac 120
tacaagcgcg cactaccaca cccaactaat ttttgtatit ttagtaaaga cagagtttca 180
ccatgttggg caggctgggc tcaatctctt gacctcgtga tctgcccggc ttgacctccc 240
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ggagccagga ttggtttcag ttgcttgga ctagaagcc tgactgacag tgggtgactat 360
gacttgcag agaaataaaa gatcactgac tctaaaagca atgccattaa tcaggaggat 420
ttttctcagt gcacacnggc cgtagtgna aatggatnan taaatncntg agnttcaaaa 480
aattagct 488

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<210> 7034

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7034

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gagacagagt ctagctctgt cgcccaggct ggagtgcagt ggcgcaatct cggctcactg 60
caagctccgc ctcccgggtt cataccattc tctgcctca gcctcccag tagctgtgac 120
tacaggcgcc cgccaccaca cccggctaatt ttttgtatt tttagtagag aggggggttt 180
caccgtgttc gccaggatgg tctcgatctc ctgaccttgt gatccacctg cctcggcctc 240
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aggtaaatac ctaggagtgg gactgggtgg tcatatagta agtatatgtt taactttata 360
aaaggctgcc aagtgttctt ccagagtgcac tgcgtcattc tccactcca ccagaaatgt 420
gtgcaagtgc tagntactcc acattcttnc acatnacttt ggtcaaggtc aagtttttct 480
atttttagctg angngngngg gggcttacta atgggttttt tgggttgggt ttttggaag 540
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<210> 7035

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7035

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gagttcagca tgtatitttaa tgttgcaaag gaatgacaac tcagcaagct gtagaaaatg 60
gcagaggaga cggggttaata acagaagcaa tgaagactcc tggatgtacc caaggacacc 120
ctatggccag cagcttggtt tctcccagaa tcagtttaca gacttgctca gcctgcggga 180
gggcccaggg atcatgcagg aagaaaacgg aatacgcttg attctggaat tggtcatttt 240
aagacacttt tagtaagatg gtttcatgtc tacacccaag tcttgccaac caagaagcat 300
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cccgaccac aggggttcac ttacaggtn cccaccttgc agcaacagt angctcaaag 480
tcaccacac ttcatacatn ctttgggtca taccctgcct gnatgggnt tcgntacct 540
acaaagccca caaaggggca acg 563

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<210> 7036

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7036

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aatatctatt atcatccttt atttgatca aaacaaatca attttttaa aaatcttagg 60
tttttttaag aagcagaaat aatttccaaa ttgcctccag agacaatgat ttatcctct 120
gcagaagctg gtcagaacct tcttgatcac agccccagtt agatacaggg aagagtggcg 180
cttcctacag cttcagcggc ctcagctcag ctctgtgccc caaggccaaa ccagctcatc 240
tccagcccca tccatcctat tcttgctgag tcaccagtct catcatcttc agagccatgt 300
ccccttggtc agaaggaacc atatgaccag ctttcagaat ccagtagaaa gcaaggttct 360
tgtaggactt gacaaaagca gatgtttcca aagatttagg gtcactgtca gggccttcac 420

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ttcagctgac tgaatttaag gcagtctggn ccttcagttt cgnacccagg cttctgaccc 480  
atggnatcta cgaatgagatc cagtgnccctt ntacacggna cgtggatcct ggctcagaac 540  
ttgtccn 547

<210> 7037

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7037

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cctgcccgcc gccccccact ccagaagggt caatttacia agacaggggc gcaggggaga 120  
gctgggtggg gaagacacag ccaggccagg aggcttctgc aggccttggg cttccctgag 180  
ggcctcgcgg cttctggtgg ctgctatagt ggccccacag gaggccagca ctgtgggtca 240  
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cccctgcagc agggacagga ggaccaagac gccgacgggc actcctttcc ttaaggcttc 360  
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ctggctcatc ccttgtaggt cctgccggct ggggcctggg gtcttccatg ggctntnggn 480  
tggttggcc ccttgaaggc ctggccggcc ggggcctggg gtttccanag ggtnttnggt 540  
gggttggccc ttnaggc 557

<210> 7038

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7038

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agcctggatc tccaggctca agcaatcctc ctgcctcagc aacccccaccg cccccacca 120

ccgggtagct cggactacag gcatgacta ccacacccaa ccaacttttt tatttttaat 180  
 agagatgagg tcttgccatg ccgcccaggc tagtctcaaa cttccgaggt caagcaatcc 240  
 tcccgcctca gcctcccaaa gtgctaggat tacagggtgtg aaccaccata cccagcctaa 300  
 gtacaatttt ctattgttgc cattcttttt cgttttgaga tggagtctca ctctgttgcc 360  
 caggctggag tgcagtggca caaccttggc ccactgcaag ctctgcctcc tgggttcaca 420  
 ccattctcct gcctcagctn ctgagcagct gggactacag gcgcccggca cacgcccggc 480  
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<210> 7039

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7039

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 acgttttgcc cctcttatga cccanatgtt cggagtgttg ggaatgctac acaagacaga 180  
 caagctccca atgntaaaga actcacattt attttcatta atattactgg taatgnccaa 240  
 ctttttgacc attcataggc ttttctctta gattaattat tcagaaatat tagcactaat 300  
 ctgaatcacc ttatgtgctt gntaaagcac agattgntgg gcccancce gagtctttgg 360  
 ttcantggat ctaggggtgga agctgagaat ctgnctttct aatttccta gtgatgctaa 420  
 tgctgctgtt ctagggacca aacgctggct taagncattg ccaaattgca ttccttcagt 480  
 gtaatgacac ttttctttca nggggtnaaa aaaaanttaa aattantaat taataattaa 540  
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<210> 7040

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7040

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tataggcata catcaccatg cccggctaac ttttgtatTT ttagtagaga tggggtttca	180
ccatgttggc caggctggtc tcgatctctg aactcgtgat ctgcccgcct cggcctccca	240
aggtgctggg gttacaggag tgagccaccg cacctggcca cttcctatat ttcttttgca	300
aaaatgaaca gatacacatg tattttccta tgtctttctt tttacatgaa agggagtata	360
tcgtaaattt tttttgcact cagcttgctt caaaatattc tagaaatcac tccatatcag	420
ttattatctt cagttttaca gatgaagaga caggcataaa gaggttaagt aactagctca	480
aggcctgnat ctattaagga gtatngctgg gatgtignaac taanaagttt ggcttcagaa	540
tccatgggcc tttttntaca tana	564

<210> 7041

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7041

gagactgggt tctgctctat tgcccagtag cgcgatcatg gctctcactg caacaacctc	60
ccaggctcaa gtgatactcc cacctcagcc acctcccacc ttagcctccc aagtagctag	120
gactacaggc atacaccacc acgcccagct aatttttgtt agagatgggt tctccttatg	180
ttgcccaggg tggctctcaaa ctcttgggct caagtgatec tccagcttcg gactcccaaa	240
gtgctgggat tacaggcgtg agccactgtg cccagcgcgc attgttcttt taacaaaaga	300
ttcgctggc cctgtctttg gctgggctcc gcagagatag cgcaggccta gtggacaagg	360
cctctgtctg aaccgggcct atactgtagt gggacggaaa gacaccaaac aatttgcttt	420
cacggggaag aaagtggggt gccaaaaata atgtgggaaa angcctttgc atacagggtc	480
agaaacgggc tcccaaagag atgacatttc acangattct ggctgaaaaa aaccttgggg	540
caaaagaaag ggcttaaccn nggggntn	568

<210> 7042

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7042

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gagacagagt ctcgctctgt tgcccaggct ggctccatct ctgctcactg caagctccgc   60
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cgccaccaca cccagctaatt tttttgtatt tttagtagag acgaggtttc accatgttag  180
ccaggatggt ctccatcacc tgacctcgtg atccgcccgc ctcagccccc caaagtgctg  240
ggattacagg cgtgagccac cagcctggc cgagccatca gtatttttaa aaatcttcac  300
gtgattccaa tatacggnaa aatttaagag actacagcaa taatataagc aagagatgat  360
gatggattgg cccaagattg ttagtgatag agatggtaag aagtggtag attctcgata  420
taccttgaag atgtcaaacc acagcaaatt tactactgna aaaattatnn gaacactgaa  480
attattaatg ngtatttttg aacattnaca caccatattt naaatatctt ggatcaattc  540
ttactgaggc atgggaaata atc                                           563
    
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<210> 7043

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7043

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ataggcatgc agcaccacgc ctgggtagtt tatgtatttt caggagagat ggggtttcac  180
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caaagtgctg ggattccagg tgtgagccac tgcgccagc ccagacctcc aatttctatc  300
    
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ctcccaggga ctccaggccc agcctggatc tcagagaaga atcctgattg tggcagaggc 360  
 tgttacttct cccttagaat ccatactccc tgtttcggtc ttggtaacca aaccctaag 420  
 agtatgagca ctgcacatgg ccaccagcc agagactaca tttcccagac tctcttgac 480  
 tagagatggn tatgtgacca tgctccgggc caatgggata taacngaaat gctctgnacc 540  
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<210> 7044

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7044

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 tttgggaggc tgaggtgggt ggatcacctg aggccagcag ttcgagacag cctggccaac 180  
 atggtgagac cccatctcta ctaaaaatac aaaaattagc caggcatggt ggcacacacc 240  
 tgtagtccca gctacttggc aggctgaggc aggagaatca cctgaacca ggaggcagaa 300  
 gttacagtga gccaaagattg taccactgca ctccagtctg ggcaagagag tgagaattca 360  
 tctcaaaaaa aaaaaaaaaa aaaagagaga gaaaatgaac agtaattctt ttcattgtaat 420  
 atctagtcca tattcaaatt ggaatgattt cttttttttt tttttttttt gaaaccaggt 480  
 cttnttttta ccaggctgg agtcagtgc accactgngg cttactgnaa cttttacctc 540  
 tgggnccaag cagncttcan aataaac 567

<210> 7045

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7045

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 ccgcctgcct caggctccca aagtgcctggg attacagacg tgagccaccg cgcccggcct 120  
 gattagacaa tatttaacac tatcttattg tgatgtacca ataaacaaaa caaaacaaaa 180  
 aaccacatt gaaacaaatc agaaaaaatt aaagcatgaa caaatTTTat atagtatata 240  
 ataagaataa aagtcccaca acttaaggct ctaattataa caatgaaata gatccaaagt 300  
 tcttgaatca cttttttcaa ttttgaagat gactgttgta aatatatctc tttttaaagt 360  
 ttcattccaca aggtttatta atcaagtaaa atgtacattt ttaaaccat tcctgggtaa 420  
 acaaatattt atttgcaagc ttttcttaat tggactcctc angcacatct aatattgcaa 480  
 catatgcagg ttaggaaaat atacacataa tcctaaacaa tctttactta taaatttgaa 540  
 tgcntattct aatctaccaa gagnaagatt 570

<210> 7046

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7046

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 gtttgagtga gtgcctggag tgggcggtgg atgaggggaa ttatggaagg gagaggggtt 120  
 cctcaagtct gttatTTTTT aagagacggg gtctcgtctg gttgccagg ctggtcttga 180  
 actcctgggc tcaagcaatc caccatctc agcctcccaa agtggtggga ttacagatgt 240  
 gaggcaccgc acctggcctc aaatctgttc ttgagcagta gagaggaaag gagaaaggaa 300  
 gggaccact ggctaaaata aaatacattt ttaagaaggg caactctcag tgagtgggtg 360  
 tgatggccgc cctgctaggg ctcttcctc gcctcctgga gctcctcctc tcctcctc 420  
 ctgtattgct gggcccagcc taatgtggaa gaagagtaaa gctgagctag aagtattttc 480  
 tgcttggtgc cccaccaatt taaacacatt aaatttgga tggaagttct gnccttgat 540  
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<210> 7047

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7047

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ctgagtagct gtgaatacag gcacgtgtca ccatgctcgt ttttaaattt tttggtaggc  180
atgaggtctc tctgtgttgt ccaggctggg accaatctca tgggctcaag cgatcctcct  240
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atgttactaa tatgacgaac tgaaattatg gatccctaag tttagtagaa taaaatttca  360
gatttcataa aaagactaac ataaaagata ttgatcattc ttttaggcct cctaagtaag  420
attaagcaa agcataaatt tctgggatat tctcagttca aacacacact nttactgatg  480
tcctgctaag ctttctgatg acaattcctt tatgctttac atcttggaga accaatnang  540
nttacntntt ntacattaac g                                             561

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<210> 7048

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7048

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gcctagttat attatgcacc catttctaga gtaaaaaaac tacacctccc tcaacatcag  180
ttctgtactg tttctggttt atgatacact tccaaaacag caaaaaattg caaatatgtg  240
caaacactgt ggtccattca gagtactgct tagtcatcat cttcttcttc ctctcttct  300
tcctcaaagc tatcttcaaa gccctcactg tcctcctggg ctctatcccc ctctattgct  360
gtatcccact gtgggtgatt ttctggcaca ggcttagcct catgaacttc caacttcaat  420

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ggtttaatct gatccaaacc catataggag tctgatctca gaaacacagt atactgataa 480  
 tttccaggct tgcctgggtgc aggaaacttc aacttntacc tcaggaaagt aaaggctntn 540  
 cccaggatgg gtaattttgg atttgggtt 569

<210> 7049

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7049

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 agcaaagtgg cctttcccaa catcttttcc caaatggatg aaacaggtct tgaggacgca 120  
 gatgtggcat tctacataaa ctacaggatc aggcttttct gggacagtgg gtctgctgga 180  
 gccaaagagtg gaacagcaca agacaacatc agcaaaccct ggcgcaccta accgcgggct 240  
 gccatggatg cggggacgga ctggagtcc tcctgctcca ggtacaagtc cacaagaga 300  
 gaccagcgg cccagcagca gcctcctggg caccaccaga aagcgatgta ctttaagggcc 360  
 tcaggcggtc gagaggcaac gtggcttcca catgtgtggg aatgagacta aaaagctggc 420  
 tcaaagcaaa atatgaactt ataggaaagg agggccctgg actggcagga agagagagac 480  
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<210> 7050

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7050

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gtagccagtg atttgcgctc agaggaggta ataggacaaa aaaaaaaaaa aaaaaaaagc 180  
 cgtatgtgca aaaggaagag cttcaaagaa gtccgtaggg aaggagtgac tgcgacgcag 240  
 tgaaggccat tagtcaggag tgtgggtggga gagggagagg gcagctttcc tgtgccacaa 300  
 gaagatggga gttgggtgga ctcaagaact cagggtgat gtttgagtcc atgctctttc 360  
 aatgatagac acacatacct gaaagcagcc aatctccatt aaaaatgtgt gttcttttcc 420  
 tcaaaggaga tacaatagac atcagaaaga tatgattatt tcagctacca aagtgtcttg 480  
 atatccatct cttcaaagat ccatatggga tgggatcaan gngtcncct gagaaaagtc 540  
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<210> 7051

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7051

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 ttgccagcct gtgtctttta attgggtcat ttagccccct tacatttaag gttaatattg 180  
 ttatctgtga atttgatcct gtcattatga tgctagctgg ttattttgcc tgttagtga 240  
 tgtagtttct tcaaagtgtc gatggctctt agattttgg atgtttttgc agtggctgg 300  
 accagtttcc ccttccatat tcagtgttc cttcagtagc tcttataagg caggcctgg 360  
 ggtgacagaa tctctcagca tttgcttate tgtaaagggt tttatttctc cttcacttat 420  
 gaagcttatt taggctagat atgaaattct ggggttgaata ttctttaaga atgttgaata 480  
 ttggcccaa ctctattcta gctttaggg tgctgcagaa agatccnctg gtaagctgaa 540  
 gggccttccn ttggggggaa cc 562

<210> 7052

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7052

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ganacagagt cttgctntgt catntaggct ggagtgcagn ggcgtgatat aggctcactg   60
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tacaggngtg ngccaccatg tccagccaat tttttgtatt tttagtanan atggggtttc   180
accatgctgg ccaggctggg ctggaactcc tgacctcgng atccgccctc cttagcctcc   240
caaagngttg ggattacagg catgagccac tgcgcctggc catcaaaacg tatntntntt   300
cactccagga agttctcctt tctagttaat gaatgtctna cctgaccacc tgaggcaaac   360
agngttttca ttntaccac cacagatcac tttttgcctt ttcttgaact tcacataaat   420
ggaatcattc aagtaagtac ttgntnatat gcatattnn gggtcattca tggtttgctt   480
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<210> 7053

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7053

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tcacgggtgc ccataccat gtctggctac tttttgtat ttttagtaga gacaggtttc   180
accaagttag ccaggctggg cttcaactcc tgacctcagg tgatctgccc acctcacctc   240
ccaaagtgct gggattacag gcatgagcca ccacaccgg cctttttctc tttttaatat   300
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ggaataaacc cagcagccag agttcattct tagttctgat aaagaatagc ccagagacat   420
aggaatcaca tacacaccta taattagagg catttatntt attttagtgt cattatatgt   480
gcatttgctt tatttttaat tngattacat ggangtactg gtggtctttt aacatgaagg   540
gaaancctgg ggcaancatt tgttcn                                     566

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<210> 7054

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7054

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gagatgggag tctcgctatg ttgcccatgc tggagtgcag tggcgtgac tcagctcact   60
gcaacctctg cctcccaggt taaagcgatt ctctgcctg agccccccag cctcctgagt  120
agctgggatt acaggcgcct gccaccacgt ctggctaatt tttgtatfff ttagtagaga  180
cggggtttta ccgtgttgtc aaggctggtc tcaaattcct gacctcaggt gatctatctg  240
cttcgcccc ccaaagtgtt gggattacag gtgtgagcca ccgcatccag ccaagaatgg  300
cctctttaat gtctgtgagc tcccaaggg cagagacacc ctctagtgcc tggcaccgcc  360
tccagggtctg aggagggtgt caccaagtct gtgatgcagg aatgaagccg tatcccaagt  420
agggggctgc gtctgcccag tttaccagtg cgttcttgtc acccagcacg ggctggccag  480
cgagtatcga cacanggttt gctgancgga ngaatgaacc ctgctttgtg gtggaaggga  540
acaagtggca aggaaaaccg gaccctt                                     568

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<210> 7055

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7055

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atffffttt tttctgagac ggagtctctg ttgccaggc tggagtgcag tggcacaatc   60
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gtagctgaga ctacagggtc acgccacat gcccggttaa tttttgtatt tttatagaga  180
tagggtttca ccacgttggc cagactggtc tccaactcct gacctcgtga tccacctgcc  240
ttggcctctc aaagtgtgtg gattatagga gtgagacaac gcacctggcc tttagtttat  300

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attttatttg gatactacaa atgttgaata tcttgtgttt actggttatt tgtatgtttt 360  
 ctttacgaat tgcttttcag gattttggcc tatttagtga tattatttaa atatttctta 420  
 agtggatctg taagcactct acatattaag gctataacac agtatagcac tctgggatta 480  
 tctaacctct acagttgaga tattagacat aaaggggctg ctgggganta gaaatttttt 540  
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<210> 7056

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7056

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 tccgcctgcc tcggcctccc aaagtgctgg ctgggattat aggtgtaagc caccgtgccc 120  
 agcctgctgc tgacctttaa atgggggtttt tgtggggctc ttttcattga tgttgttggt 180  
 gctcttgctt tctatttgtc ttttcacagt caggctccctc ttctgtaggg ctgctgccat 240  
 ttgctgggga tctactccag acgctatttc cctgggtcct tcccactcct ggaattatca 300  
 ccagtggacg ctgccgaaca acaaagatgg cagcctgctc ctccctctgg gagctctgac 360  
 ccagaggggc accaacctga tgccagctgg aacactcctg tatgaagtgt ctggcgaact 420  
 ctattgggac atctcacttc agtcaggang aacnggatca nggtcttgct taaaanaacc 480  
 agtcttggct tgcccccttg caaaacaagg tgtgctacan tangggggaa tcccccta 540  
 ccnggcttgc cctgn 555

<210> 7057

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7057

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 caccaccac catgcctggc tatttttgta gtttagtag agactgggtt tcaccatatt 180  
 catcaggctg gtctcaaact cctgacctca ggtgattcat ccgcctctgc cagaatttct 240  
 ctttaaattc aacaagattc agttttacag tctggaaaaa aaatgtcctc tctatatgaa 300  
 caatcaatct tcaccattga tatttttcat ctttgacttg aagttacaaa ctaacttcag 360  
 caggaatatt tatgaattat tatggataat ctattacaca gtgaaaactg taatatatgt 420  
 ttgctacatt tatatataaa aacatcctca tgactaatga agcctnccta gtcttaactg 480  
 aacaaantgg actcaataaa tatgcttatg gcaattataa aaagggaan ggaccaaadc 540  
 actaaagaaa acctttntnt tgnt 564

<210> 7058

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7058

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 agttgtaggt agggactatg tttctaccc cttaggacct aacagagcca aacaagagt 180  
 cagagaagat gctcagattt tctgataatg atactaatgc ttcagtctta caccctcacc 240  
 tcttctcagg cactcctgag ctttgtaag tcattctatt tgttttcatg ccagttgggt 300  
 aaaggctttc gtttctatit agaggtgaaa ctagagctac agagatgac attagccaac 360  
 catgaagaga attctagttt cctatgtgct attactagt ctgcgtccaa gtataaagaa 420  
 ggtgcttatg cttggcgtgg aataaaataa gttgccagt ctgatccctt tctctcctcc 480  
 tcttcttcat atcttggtct gggccttacc tggcagcttn cctcttttcg gttggattga 540  
 acnggcctgg gcagctttga accg 564

<210> 7059

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7059

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ggacagtaaa tggtttttat tattttatct cttttctcct tctctattag cttggtagct 60
ataaattctc tttctatcct tttagtatt actctagagt taatcaactc aagtcttatg 120
aaagaattat gtcctgcaga aaacattctg agtgactatt ttttttttca gttcttatac 180
ggcattctaa atgtaaagaa gttaattcat aatatataat agatgcctta gcacagatgt 240
cttagttctg gctgctacta acaaaaatac catagaccgg gtggctcaca caacaaacat 300
ttctcatagt tctagaggct gggttctata gaccctccaa gaccagggtt ccatcatggt 360
caagttctgg tgaagaccct cttcctggct tgcagatggc attcttcttg ctgggccccca 420
tatggcagag aagtagacag aaagaacang aactctgggg ctctaattcc attgngaggg 480
ttcaccttna cgaactaaat ccttccaaaa ggncccaactt ctaacacat naccttggan 540
ggtagaattc acnntccaat ct 562

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<210> 7060

<211> 415

<212> DNA

<213> Homo sapiens

<400> 7060

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ganacgagtc tcgctntgnc accaggctga agngcagggg ngcaatctcg gctcaccgca 60
acctccgctt ccttgaacc tngcctccc aggttcaagc gatntcccg cctnancctc 120
ccaagtagct gggactacag gcacgcaaca ccatgcccggt ctaatttttg gatttttagc 180
ananacgggg tttcaccatg ttggccagga tggncctgat ctcctgacct tggganctgc 240
ccgcctnggc ctcccaaagn gctgggatta caggngtgag ccaccacgcc cggccccacca 300
cgataatttt ttttttgtan anacnagggt ctcaccatgt tgcccaaaat gggctcgaac 360
tcctgagctn aagcaatttn ccggcttggg ctnccaaagg gtggaactcc cggt 415

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<210> 7061

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7061

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cctaaaaaag gcttatatTT acttgatttg aattttgcta gcatgctttt tcttctgaat 60
tcaagtgact agaactgaaa ttattccacc tggggagaag agacagctga aagccaattt 120
agtattggtt ttcaaataca tgaagggtac tcagagagag gatgattgcc aaagaaaatg 180
gtctttgaac catagaaaga atctgagctt gctctaaagt taaatttcct gacttacaga 240
gtttatgaca ttaaactgag agaccaaggg atcctttttg gagacttcaa aaataggata 300
gatccttaaa tgcctgagat ggcttgatg tggctttgtc tgaagtcagg aggataaatc 360
ttaccactga tggctccctt aggcgtgtga atctatgggt ttgactggca tgtcagaagc 420
tagaatgcca gccaggaca tctagagagc atctctncat gctgggtagc agtctatcaa 480
tcgctctact ggctnacatc tntcaacttg gcttcaccac atagggancc caggcctgnt 540
ccggctgang ctgatt 556
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<210> 7062

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7062

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ctttttttga gacagtctca ctctgtcacc caggctagag tgcagtgggt caatctcggc 60
tactgccag ctccgcctcc caggttcacg ccattctcct gcctcagtct cccaagcagc 120
cgggaccaca ggcgccccgc accatgcccc gccaatTTTT tgtattttta gtagagacgg 180
ggattcaccg tgctagccag gatggtctcg atctcctgac ctctgtatcc gcccgccctcg 240
gcctcccaaa gtgctgggat tacaggcgtg agccaccgcg cccagccgcc agaagatatt 300
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tttaacatgc caagaagaca aagggttaa atccagaata tttcaaagat gtcctatacg 360  
 cactacaaaa cactgctgaa gagagcttgg tgcatttgaa gaacaacaaa gtgtttgttg 420  
 tggttgtagc aaaaatgggg tgtgtgtgtg nggtgtgtgtg tgtgtgtgtg tgtgngtggg 480  
 gatactcccg nntttcctgg ataaattcct ttgacttaaa anngcctttt ancaattttg 540

<210> 7063

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7063

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 cacaggtgca caccaccaca cccacaatt tttttaaac tttttgtaga catagggctc 180  
 tgtatgttgc ccaggctggt ctcaaactcc tgatctcaag cgatcctct gccttggtt 240  
 cccaagggtg tgggattaca ggtgtacgca cctggcctta catatattac cttaatggaa 300  
 gattttaaat aaggtagtat ttctctatag cagtgggtctt acctgggggt tacttttgtc 360  
 tccttttccc taaccaggag acacttgaca atgtctgcag acatttttgg ttgtgggaat 420  
 gnggntttgg gtggtgggggt actacttgca tgtaggggta aaangccagg gatgctctna 480  
 acatcttaca atgcccangg acagcttcca caacaacaa tttccagccc caacaccaca 540  
 ggctgagggtg gga 553

<210> 7064

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7064

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caacctctgc ctcccggtt caagagattc tcctgcctca gcctccagag tagctgggat 120  
 tacaagcgtg caccaccata cctggctaatt ttttgtatit tcagtagaga tggggtttcg 180  
 ccatgttgac cagcctggtc ttgaactcct gaccttaagg gattcaccg ccttggcctc 240  
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 ggcaccaggc tggggctctc cctaggcagc tccaagtggc taggatctgg cttcttttcc 420  
 agagctgggt ccagaaacca agatcgggaa tgcctgatgg ctgctctgcg gcccttgcta 480  
 tgaaggcact ttccttggtt caggngatcg gcccttggct ttaaggaaca tgtnggggtca 540  
 nccnngggtt gggncacn 559

<210> 7065

<211> 523

<212> DNA

<213> Homo sapiens

<400> 7065

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 acaacacaat gccagttcaa gttcaaggga agtgttccat cctctttcag cctccactca 180  
 gctccagaca cacggtgcat ggtccagctc cctgggattt tccattcgg aaaggaagc 240  
 cgtttgctga gccagcctct gtgaccactc atgatctgaa ttaccacag gtgttcgaaa 300  
 atacagaggg atccagcata attaagagca ttaagcaatc atctcagccc aaggaggcag 360  
 ttgaagaaaa gaacagagtt tgggcaacac ttggggaaat aaattccaca gcctttcacc 420  
 aagttgaaat cttggctttg gacacacata aaaatgacct ggnccaatct taactnttna 480  
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<210> 7066

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7066

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ctctggggca ggggtgcccc gggagggttc ctcttgtgga acgcaggcgt taatgagcca 180
tttcagtaat aagagtcctg ccttgagcca gaagtcagag cacccaagac accccaagca 240
gcagaaatgc tcatgaattt ctgaaactgc ctttctaatt tgcatttaa cataacttcc 300
aaagaacaat ttcacctgtg attttctgag ctggaaaggt aagggaactt agatgttgaa 360
tatgtacaaa ttatgttaat ataacggagg taaatgaaag tcaaatgcat tggcatgtaa 420
aatgtanacg tcttttctaa atggctatct tctaccang ctttggttaa ttttccccta 480
aagtggaaat gngataattt ttttttaa naagggaatc tctataataa atnccaattg 540
gatggaactg ggtattncnc aat 563
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<210> 7067

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7067

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tgcaaccacc ggtcttcacc ggattcacag tcggaaccgc gagcaaagac acctagtaga 180
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cggcccagct tccccatctg cggccaggca naactgcccc gagagaccag cagcaacgnn 420
tggaanatgg gcttgcaggg aacgttggga aaagggaagg attgggcacc cancttccgg 480
ntttccggaa gcttttctaa n 501
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<210> 7068

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7068

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caagctccac ctcccagggt cacaccattc tctgcctca gcctcccag tagctgggac  120
tacaggcgcc cgccaccacg cccagctaata ttgttttttt tgtattttta ggagcgacag  180
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tgtggggttc ccgcaaaact gnttcaangg gncnagaaga aggaaggacc cttgccccaa  480
ggacagacgg cnancttga tcaggaaagg ccaaccngg ccaaaggctt ggactctggt  540
tgggggaacn ncca                                     554
    
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<210> 7069

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7069

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aaatttagag acagggtctt gctctgtcac ccaggctgga gtgcagtggc gtgatcatag   60
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ttaggatcac aggcgtgagc caaggcacag actctgggtt taaggcagaa gcacttgta  180
catgaatcac atcacataaa gcaatctttt ggtcagggtg ccaggcgagg agaggcccaa  240
gaaacaggaa aaggagagca agtgagagtg aatcggcgaa gccatcacct aatgaaggag  300
    
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ccagacaccc tgagtgtgga gccccagcca tgggtcctgc cccttgcgcc gctcagggca 360  
aatcttcttg ctgcctgggc cacagcagtt actggggggc ttggcagggt gaantgtgtg 420  
tcaccagacc tgcacaagct tcttcttaca gatacaacgc tgactcantg tgaaggccct 480  
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<210> 7070

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7070

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aagagaaaac ccacacaaaa aaaatgaaac taagagattc tgaaagcagc atttcctaata 180  
taagaaggcc caagaagggt acagatgtac ccagggtccc acaaccagcc agtggcagaa 240  
ccaccagaag agctcatttt cctagtgcct gccaggttt tttctacaat gctcacagca 300  
ttgcaaggag gagttaacgc caattcttat tcaaaattaa attctattag atattaagga 360  
tttctggtgg gaatacttca gaaatgaaaa agtatatttca atttaaatta aattaaattt 420  
ccaattaagt cacagagaac tgnacttnaa canggaatct cttttactnt anccctttac 480  
caaaggaaat atttcacttt ttttctttct gggcatcaat taagaagttt aatgtaaaat 540  
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<210> 7071

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7071

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tcgactcact cactgcaagc tccgcctccc aggttcatgc cattcttctg cctcaacctc 120  
 ccgagtagct gggactacag gcgcccacca ccacaccogg ctaattttct gtatttttag 180  
 tagagacggg gtttcaccgt gttagccagg atggctctga tctcctgacc tcgtgatccg 240  
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 acaggtactt ggngactcta agtaggacca gaacagaagc ctcaatgngc tggcccaant 480  
 tgacatntat gcctganegn aaggctttgg ggcttgaaaa tcttcccatt agaaaatcan 540  
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<210> 7072

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7072

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 caggcgcgcg ccaccacacc cagctaattt ctataccttt agaaatgggg tttcaccatg 180  
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 gctgggatta caggcgtaag ccaactgagcc cggctcaaaa tctatttctt aatctggttg 300  
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 ctttcaatgc ttgcagatga gaaaatctgc tgncaatggt tttttttttt tctcctttgg 420  
 caaagggtta atttattctg ggggaggccc ttgagaatth atctggggat ttcaagaatg 480  
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<210> 7073

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7073

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tacattctac ttttaatttta cacttcagac ttctaggagt cttgcatctg ttttccagca 420
gccacaaaag acattctcta attacttctg aatgaaaaac agagactttt aatttcntgc 480
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ctggactttt cctn 554

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<210> 7074

<211> 530

<212> DNA

<213> Homo sapiens

<400> 7074

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ggtagctgga accacaggta cgcaccacca cacctggcgg ggTTTTgtt tttgtagaga 180
tggggtctca ctacgttgcc tagggtggtc tctgatcttt caagtgtca gtagctgcaa 240
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aaattgacaa gtctgaggat gtgctgctgc cttgagaagg gggTgtctc tctcaagaaa 360
gtcagatggc agagccagca taagttgtca aggcagaggg ccacaatcct ggtgacctn 420
tcaagtgggg ggctgcctgn ctgnggttct gagnccccac tangggatcc ccattncctt 480

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gggttgaccc gttttttgcc ttttttaaac cgggggtccct ggcntgncct

530

<210> 7075

<211> 254

<212> DNA

<213> Homo sapiens

<400> 7075

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cattcatggg gtacaatgtg gaatgaggaa atcccactac ttagcatctc cactacctca 120  
gagagaccaa ttccacgtga ggtcccagaa gtgttgatct aaacaagttg accccataga 180  
agtagcaagt agatcgatgg tgaccagggg tcagagagtg gcagagggag gggaatggga 240  
gggggggnngn nnnn 254

<210> 7076

<211> 533

<212> DNA

<213> Homo sapiens

<400> 7076

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tacaggtaca cgccaccata ccagctaatt tttttgnaat ttttganag gcgggggtttt 180  
gccatgttgc ccaggctggg cttgaactgc tgagctcaag caatccaccc cccttggcct 240  
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tactgattca ttaagtcgca gtctaattag cattacagat tatgagtaat aactttatta 360  
tctaggnctc tactgnntag cacctcctct gntacattgg tacttnccta agggcattct 420  
tctntgacca ccccatntaa gctggaactc cttgctggng gatcctaggc ctatacccta 480  
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<210> 7077

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7077

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gggacttcgg ggcatgccac cacgcttggc taatTTTTTg tatttttggg ggagatggag  180
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gcctctcaag tgctgggatt ataggtgtga gctaccgcac ccagccaaga gtcaatctgt  300
gatccctaag attcttattg cctagtaaag atgaaagatg aaaaagagat aacaatgaaa  360
acatgagggc atggcagagt aaaataggaa gaaaagtcca gaatatggna ttacagaggc  420
agggattaga aatatTTncc tgataagtgg gtttcancng angnagtatt aacaagctaa  480
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ttttggggg                                     549

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<210> 7078

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7078

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gagatgccgg ccaggaagcc tgggaaattc ctcccctctg caggccccac cccgtgctaa  180
tcctggctcc acctcacctc cgcccagctt ctctggact cacatgactt ttctatattg  240
gtgcccaggg gcttaaggca gatgagtctt aagcgggcat cacagacaga ccggacacct  300

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gtgcagtctg gaagaacttc tcagctctca gccacgggaa ggcgatcact cagcctaagg 360  
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 ggtgaaggaa cgcacatggg tgatgcaa ac atgatatctg actcttgctg gcancaagct 480  
 gtgctgacat tttttacncc tgn ttcttg aacttgaang gcctaaaagc cttgcccttn 540  
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<210> 7079

<211> 383

<212> DNA

<213> Homo sapiens

<400> 7079

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 gggagaggca ggaagaggca gtagaggga atgacatttg cactcaggct tcccgccct 180  
 acccaccct acccttcgcc caaacagacg tcggatctat gctgcaccag gggtgggtca 240  
 tggagtccag ctaattgcca ggagctgagg cgtgtacaag ccatgaaaag agctgcccc 300  
 cggcctcccc acatnactgn ccttnatgca cttgcatctt taaggctgcc agcttannag 360  
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<210> 7080

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7080

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 ctgggactac aggcgccgc caccgcgccc ggctaatttt ttgnattttt ttagtanana 180

cggggtttca ccttggttagc caggatggnc tcaatctcct gacctnacga tccacccgcc 240  
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 gggctctttct caattingga ngctnttcan agggaact 520

<210> 7081

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7081

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 gtgtgccacc atgcctgggt aatttttgta tttttataag agatgggatc cagctgatgg 180  
 ggaagcggct cactcagggc agtgactct actcagtga aggagaaaac ccctcagagg 240  
 gatagatgag aatcctgaag cctgaagtgg cagggactgg tagcaagggc aggagatgaa 300  
 ggattttaag gtgaaagctg tgcctgttcc ctgcacatgg aatggctggc tgcagtgagg 360  
 caggccacat gttggtcaga gatagtaggt tgccaaagca acaaccatga agaagtcatg 420  
 gctcagtaga atagtggaat cctttcttta ctctctatgg acaaccaaca cttaacaag 480  
 acagactggc taaaacattn canaagagac ttaaagaggt gcngacntaa aacanttggt 540  
 ggcnaaagca agggcnctgg gacaagg 567

<210> 7082

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7082

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ctcctaggtg gaatgttgaa ttgattttg aattctctct tcaacatttt cagcataaaa	180
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gcagcattgn gggctgataa tacctggcag acaaantatc tcagcatcaa ttcttgggtcc	540
taggagttga agcccccaag ttgnttnc	568

<210> 7083

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7083

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tctccgtgtc agaatggagt gcccttgcct cccgtaaact cttcagccta ctacccccatc	120
aggcgtgtag ccagatatcc tcatgtagct aaatccatgg acatcattct gttacatctt	180
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tctgcatgtt gatttccaca tccataactc cagtctacat ggcttctctg nccaccatat	480
tcacatatct naccattgct tggacatcta aactcagcat ggtctaaact naacacttac	540
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<210> 7084

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7084

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gcctcaacct cctgggatca agtggtcctc ccacctcagc ctcccagta gctgggacta 120
gagacatgca tcaccatgcc cagttagttt ttttaatttt ttagagaca gggctctcact 180
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acagtgtgtg aaagaactgc ccaagactgg gtaatttata aaggaaacag gttaactgac 420
tcacagttta acatggctgg gaaggcctca ggaaacttaa caatcatggc agaaggcaaa 480
aggggaaaca agggaccttc ttcataaggc anatgaagga aaattaatgc nggagggact 540
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<210> 7085

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7085

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tataaaaac taaaaaccag aaggattcat tcttgctttt tcctttttta aaaaatccag 180
acatttgtca caagaaagtt cggcatgtga tagcagctgt agcctcagtc accctcagaa 240
tcgctgtccc tcctcatgag gacagagtgc cacactgatg acagcaatac atcttcaatc 300
ggcttcttag ggttttcctc caggtccatc ataattgctc cagattcaga cagtttccat 360

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tccaactcat ctcttgtcag gttcatgcc ccaaacacca gaggaccaat aaactgagcc 420  
 ttgatatctc ctccaggta aacaaatata ggggcagatt cctatcagga taattgggta 480  
 tgcaggttgn tgaaatggct ttgataaatt gacatcaggg aacnttctgg gnagnccctg 540  
 gnggtctgaa ttattanggc nca 563

<210> 7086

<211> 485

<212> DNA

<213> Homo sapiens

<400> 7086

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 gactacagge atgcaccgcc ctgcctggct aatttttttg tatttttttt tagtagaaac 180  
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 actccctcag agacggagag tccctcaaag tctcccact tctccctatc ctccctgtc 420  
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<210> 7087

<211> 396

<212> DNA

<213> Homo sapiens

<400> 7087

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gctggaataa caggcaccgc ccactatgcc cggctaattt tttgtatttt tggtagagac 180  
 ggggtttcac catgttggc aggcgtgtct tgaactcctg acctcgtgat ctgcctgcct 240  
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 tttttttttt tttttttttt tttttttttt ganacggagt cttgctntgt caccaggct 360  
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<210> 7088

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7088

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 agctaataat ctatacagta ttgcaagta caaattcaca atgatcaatg atctgnttct 480  
 ctaaagacag gccaaaaact aattaatggt tncntatatac ctaaaggcaa tgggaaangg 540  
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<210> 7089

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7089

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 atgttggtca agctgggctt cgaacttctg gactnaactg aaccgctggc ttaaacttcc 540  
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<210> 7090

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7090

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 aagcaaatga aaaccaagac atatttttct gctcttttat ttatattgat gaaacctcaa 180  
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 aaagcccctt gacaaaatat ctgcttttta aaaatgttaa ttaatacac aagaaaaaaa 420  
 aaagcctctg ggagaagagg ataaagaagt taggatttct aactcctagg ctaaaaaaca 480  
 gcatatcaga aagccattca atttcctttc aatgctggat naagncttca ttttaattnt 540  
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<210> 7091

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7091

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tacgggtgcc caccaccatg ccagctaata tttttttgta ttttagtag agacgggggt   180
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caaactgata atacttgccc agctaaatga agtgatgggt ggatatgtaa taatcataca   420
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<210> 7092

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7092

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tacaggtgcc cgccactgcg cctggctaata ttttttgat ttttagtag agacgggggt   180
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ggcactgttt tcctaagaat ttttaacca atgttcataa gcaatattgg tcaagttggt   420

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ttcttgnant gnccttgctg accctagcat caaaggcaat gcttggctca tagaacgaag 480  
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<210> 7093

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7093

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 ggaccacagg tgcccggccac caggcccggc taatTTTTTT ttgtatTTTT agtggagacg 180  
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 acatcgtggc tcaggtcacc ctcagaagga gacacaggga gtcctaagtg tattctggga 420  
 gtgacctctg tggcagacca agggacacag ctatggccgg gacaccaaca gcttctgcta 480  
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<210> 7094

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7094

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tgtcaattca tccatctcaa cctccaccca ggactgtgcc cttgctgtag aggtgttgtg 180  
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 gggtcctcc cacacctgaa gatgtcacca ganggtgctg gagaacagca aagatgggac 480  
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 ctccctgnata aggggggctg 559

<210> 7095

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7095

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 caggcgtgtg cctccatgcc cagatgattt ttgttatatt ttgtagagac aggatcttgt 180  
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 cccaaatgaa gtgaggtctc agtgtggcag gatgtagggc tttgggtgtg tgggtgggtgc 420  
 angctggtac tctttcccta tggagaaaca cttctacctt aaccctttgg gtcgcaactg 480  
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<210> 7096

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7096

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ttgggaccac aggtgcctgc tgccatgcct ggctaatttt ttgtattttt agtagagacg 180
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gactttggtc tctaacttct ctaggccttg gtttcctcag ctaggaaata agacagttgg 420
gttgattcan aggttttaag cccatgcttt ggtagataaa tagagtattt tgagtaactt 480
taaaagtgag cagccctctc taagtttgac tcttctacct naccatatca aacttaccac 540
ttatccatga cccttgattt 560

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<210> 7097

<211> 500

<212> DNA

<213> Homo sapiens

<400> 7097

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tccgccactt tttctttctt gaaactgggt cttgttctgt tgcccaagct ggagtgcagt 180
gttataatca cagctcactg cagcctcaac ctctgggct caagctgtcc ttccacttca 240
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ttttattttg tagagataag gtctcactat gttgcctaag ctgatcttga actcctgggc 360
tcaagaaatc ctctgcctt ggccttgaaa atgttgggtg tacaggtgtg agccactgtg 420
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nnnnnaaaaa aactaccac 500

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<210> 7098

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7098

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atttttagaa gcttaaacca agtcaggctg gtttctgttc taagttttgg agcctcgtaa 360
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gcacttcagg aggctgangc aggagaatcg ctttaaccta ngangccaag gctatagtga 480
gccatgactg gaccactggt acttccaagc cttgggcacc anaancagaa cctggctcaa 540
aaaagaaaga gaaaaaacc
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<210> 7099

<211> 432

<212> DNA

<213> Homo sapiens

<400> 7099

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acgggtgggc acaggagaaa gcgccaccat cgatcccgnn tgctgccctg gaaatgtgat 180
tttcttaata gctgagttca tggttgcttg aggtcaggcc tggctattca tttccagcga 240
tgtctgacca gagaggactc atcattgacg acctcagggt cacgggggcg acgctgacac 300
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cggaacggca gcagcagcag gacgattaag acaaggagga tggctccaca gacgctcatg 360  
agcgcataagg acacaatcca caaaatggnc tcgctcaaan actgancggg gacncngttg 420  
ntggctacan cc 432

<210> 7100

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7100

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ttacaggcat cgccaccatg ccagttaat ttttgtatct ttagtagaga tggagtttca 180  
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ccaaagtgtt gggattacag tcgtgagcca ccgcacctgg ctctttcctc ttttatgggtg 300  
aggaaaaagc agtgaaatag aagtcaatgg cctcaaagtt gagtatcagc accagtatct 360  
accaaataatg caaccttaga caagtcactt agcctcagtt ttctctcttc taaaagggga 420  
ctagtaacag caacaatatt ctgaggatca tataaggnaa taaatatgaa aagtgttcta 480  
cgaactttta actggcgntc aaaacaaagc tatgtcattt catcatccca taatgatctc 540  
aacagacttt ntac 554

<210> 7101

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7101

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gtcatgcttg ctgcttatca gcgccctcca aaccagaat gtccactcag tgcatttggg 180  
 caagtcccaa agactccagg agaaaaagca tcttatcacc accataagag cgcagtgagc 240  
 atttgacggc tcaccagcct atagcaggat tttttttgtt tttgttgttg ttgctgttgt 300  
 tgttttgttt ttgagatgta gtttcgctct tttttgccca ggctagagtg caatgggtgca 360  
 atctccgctc actgcaacct ccgcctcctg ggtttaagca attctcctgc cttaaccttc 420  
 cgagtagctg ggattacagg cacacgccac cgnattcagc taatttggat tttaggagag 480  
 acagaagttt cancatgttg gncagctggg ctggactcct ggacctangn gatccacca 540  
 tttgggcttc caaagg 556

<210> 7102

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7102

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 ttctctgtga ggtctccctg tccactgtgc cctgatcaac cctccacccc ttactgtct 180  
 ttacttcctt catttccctt aagcagacaa aagtcaggt ctctgggtcca cagcttcaga 240  
 catgacaagg aagaggccca gtatcaaggt gaagctgagg aaggccaagg gaaagccagg 300  
 ccaagaggca cccgttggtg atggtcacag gagagaggtg atcagtggag ccagggactg 360  
 ggccatcctg ctatagatca cactgctgag ttttggttgt atttgtttta gaagcagcca 420  
 tcattcaccg aggggggagag aggaaaggga agagagggga agagaagaat ggggagggat 480  
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<210> 7103

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7103

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ctagtagctg ggattacagg catgtgccac cacaccagc taattttgta tttttagtag  180
agacgggggtt tctccatggt ggtcaggctg gtctcaaact cctgacctca tgtgatccac  240
ccgcctcggc ttcccaaagt gctgggattg caggcgtgag ccaccgcgc cggcctgttt  300
aatttcctaa tgtttactga gactcttcaa gagtgggaga gggatataat atacagcatt  360
tcctcagttt atttagccac tgaatttatt ttttgtaagc atctcaagga acttgagccc  420
aaattttgca aaactgcatg taatatacaa tgttgctttg gttgcctttt ccagcttctg  480
nnagagaata tttaaattat tttatcttac ttataaacat ttttaaattg ngatattgng  540
aacctgnatt ggcccangnc atta                                     564

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<210> 7104

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7104

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gagacagagt ctttgctctg tcgcccaggc tggagtgcag tggcgcgatc tcggctcact   60
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ctacaggcac cgccaccac acccagctaa ttttttgat ttttagtag agacagggtt  180
tcaccgtgtt agccaggatg gtctcgatct cctgaccttg tgatctgctg cctcggcctc  240
acaaagtgct gggattacag gcgtgagcca ccgtgcccgg ccataatct ggttttgtac  300
cagtcttcaa aaccttcag ctacactggc cacactatat tttcaaatta atctttcact  360
gctctagctc tatggccatc ttcttctct ggaccattta atcatgaatc cagaaaatcc  420
taccagaga aggcagaaaa nagaggacaa gaagtctnca ttcttttggg tccatcacct  480
gatgggcccc tctgaatttc tgggggaaca aggatctgag cgggtccttg gaaagcaata  540

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cccantggga nccaaaacnt

560

<210> 7105

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7105

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 gtggtcctca tggggggcca gtggagcggg ttctgaggct ggtgtggtac ccacaccacc 180  
 cctgctgaga tacagcacct ggtcgtggc actggggagg ctctctcctg gcaccgagga 240  
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 gccctctggc tcttcgagat ccattttctc atttttttaga tcctccgggt cttctacata 360  
 agcctccaaa actgcagcca ggggaacctc atagtgtggg aaatagaaga ggtcgtgggg 420  
 aatgacggaa acctttgaaa aggggtggga gggcttgaaa tccaggcctt cttcctggga 480  
 ctaccaaggg cttccaactg acacaactgc ttgggggctg gaaaaanaaa tccttgncca 540  
 aaccttgag ggnaatggg 559

<210> 7106

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7106

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 gcctccccag tagctgggac tacagggtgcc caccaccag cccggctaata tttttgtat 180  
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gatcctcccg cctcagcctc ccaaagtgt gggattacag gctcgagcca ccgcgcctgg 300  
 cctagcagac atttttaaac acccaatatg ggtattgttg tgggggataa aaagacgtac 360  
 aaaatatagt cctcagcttt aagaagtcta tagttttgtc aagaggattt gggaattctg 420  
 aaaacagttc tgtggcttct agaaagacat ttttcccata aactnctctg ggctcttgng 480  
 ccancgnac tcattctcat agagnaagtg agttncccga acttaacttt taaaaaagga 540  
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<210> 7107

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7107

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 ggtaggtagt ttctctntac ttngccgtt gnccttgggg tgatgtcggg gcctgtgccc 180  
 tgaacgcact tgtctcctgt gcaggggcag ngccagggtt ggcatcagng gctggnggag 240  
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 tgttcactgc caggcccntt ttgccaaagc ggccgtgcgc ccgaccggtg caggtaggtc 420  
 tcattgncag gattcccggc cttncacgg gaagaacaaa gttgatgacc accngacctt 480  
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<210> 7108

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7108

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 ctgggactac aggtgcatgc caccacacct ggctagtttt tgtatttttt tggagagaca 180  
 aagttttgcc acattgcccc ggctggtctt aaactcctgg actcaagtga tccaccacc 240  
 tcggcctccc aaagtactgg gaatacaggc atgagccacc atacctggcc tagaactact 300  
 tttcacaaca gtatcatgga aaggaatagc tctctcactc tctcaatata tgtattatgt 360  
 atataaaaca atgaacatgc ctatcagatt gaacaaaaca cagatctgaa ggtgctattt 420  
 ctacattttg aaggttatcc aaaagtataa attaaaaaaa aggagaatgg caagtggttt 480  
 aacgcattgg tcataaatac tgggacagaa acncnccagt cancangtta attgcctggg 540  
 anttaanccn cccttt 556

<210> 7109

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7109

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 cctttatgat ggaggcagct cctccccaag gtcccactta cagagtgaga cctttgtcta 180  
 cttctgtttg gcatgtgctg gccatgtgca aaccacaaat tatattggcc aatggcaaac 240  
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 ctctgttgcc ctccctntcc cgtgcctggg ttcctcatcc ttgcatttct tggctggngc 480  
 tatccttggg aagccagnca ccagtcnatg gctctattgg ctggnaattg ctttggntat 540  
 attggnacct tgaaag 556

<210> 7110

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7110

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acctctgcct cctaggttta agcgattcta ttcttgtgtc tcagacacct gactacctgg 120
cactgcaggt atatagcacc atgcccaact aatTTTTtcta ttttagtag agactggttt 180
caccatgttg gccaggctga tattgaacct ctgagctcac gtgatctgtc tgccttggcc 240
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aaaattgggt tataatattc tattagattg atacattatt tacctcgcta tttattagat 420
atttttattt gctttaaact gttttcaca agtatcaaca attatgaatg ncttcattta 480
tatatacctt ttaactttct ggcctatttc cttnaaatte ataccngaa acacccccca 540
nttaaaaaaa ggggt 555

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<210> 7111

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7111

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cttcttctgt ttgtgtctgt agtgatcttt gtctctcttc tctcttcttt cttatcttt 60
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ggaatctgag gctaccggtg ctgtaacttc tgaaccacga ctttaagtcaa gagggagaca 420

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gggtcccagc ttctcaagtg gcaaagtgc aacatcaggc ataagtttta tttatcactg 480  
aagaagaaag ctgagatnca agcggcaaaa ncttgacttg gattaaatct ngggaaaatg 540  
gggaattaag ggggnntn 558

<210> 7112

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7112

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ttttccgttt gtttgtgtcc tctcttattt ccttgagcag tggtttgtaa ttctccttga 180  
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gcttaagaag cttttgggct gagtcgatgg gttttctaga tacaggatca tgcattctgc 420  
aaacagggat aagtttgact tcctctcttt tatttgaatc cttttattct ttctcttgcc 480  
tgaatgncct ggccanactt ncaacactat gtgaataaaa tggtgaaaaa nggcaacctt 540  
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<210> 7113

<211> 539

<212> DNA

<213> Homo sapiens

<400> 7113

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gttctatggc agctttgggtg gacagttctc atatggtttg aggtctttct acctcaagtt 180  
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 ggatgggctg gagtgccagg gaggtaatc tccaagtaaa accctcaagc aacaaagggc 300  
 agtaattggg agacagacat cccagtttcc ttgatcctgc atgggacaat tctaaggtgt 360  
 gtttcatggg ctctgagagg gtcccagcag gactgagtgc agttgcccac aggagtaact 420  
 ttttcaataa tatecttccct tattgacttt tctcatcctt atgncttacc tggccctaaa 480  
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<210> 7114

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7114

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 tacaccgttc aataaataga aaaaaagtta caaaatgatg tggatatttg tccttaatat 180  
 acaagaaggg aaaagatgtg ggggtgactt gggggggtga tgttctccct tctcctccct 240  
 ggggtcaaggt ggggggaaagg aaggatggcc aaagagagag ggcggcaggg acttaggtgc 300  
 agagagaaa gacaggttaagt gccgggaaaa atggaaacag agtaagatga aggggcgaag 360  
 cagaaagaca ggaggcgaaa gggtgaaaaa gccagaaaaa caccaagata caggtctctt 420  
 tcctttccag atcgggggtg ggggtctccg gctctctcgc gtctgtgtcc cccaaccca 480  
 gttggaaggg cantgtgaac ctngctcant tcctgagtgg acgtcaanga ctagcaggtg 540  
 anaaaaaggc caccgaggac ttc 563

<210> 7115

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7115

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gagacagagt ttcgctcttg ttgcccaggc tggagtacaa tggcgcaata tcagctcacc 60
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ttacaggcat gcaccaccac acctggccaa ttttgtatit ttagtagaga tggggtttct 180
ccatgttggc caggttggtc tcaaactccc aacctcaggc aatccacca cctcggcctc 240
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ggtctattac atatggctag ccagttttcc cagcaccatt tattaaatag ggaatccttt 360
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tatttctgag ggctctggtc tgggtccattg gnctattaca tatggctagn cagtttttnc 480
aanaccattt attaataagg aatccttttc ccaagtatgg ttttgcaagg ttgncaaaga 540
tcaaatggtt gaaggggnng g 561

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<210> 7116

<211> 470

<212> DNA

<213> Homo sapiens

<400> 7116

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caggctggag tgcagtgtca cagtcctggc tcactccaac ccctgcctcc cagtttcaag 120
cgattctctt gcctcagcct cccaagtagc tgggactaca ggtacacacc accatgcccg 180
gctaattttt ttgtatgaga acactttttt gnactatit ggaagaacc actagatgta 240
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taanaaaaag aaaaatgcaa agtnccaaac agtatgnata atatgctatc tgntaattaa 360
aatgctaaaa gangaagaaa cagtnggaca gcaagaatca cacattctag caaaacccca 420
tntctacaaa aaatacnaaa atanctgggc ataanggcac acacctnttg 470

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<210> 7117

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7117

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gtttttttaa agagataggg tctcactctg ttgccagga tgatctcaaa ctctggcct   60
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cctggcctgc ctctaccttc ccagccctga cagtttcacg gtggcctgca ccctactcaa  180
ggctctgtgt gacagcagga cccaggcaag ctggggggagc tgcactcacc tgtggccagg  240
ccctgcgtcg ggacccccggc cctaactggg ggcacaggct gctgaggga tgtgtggcct  300
ggactacaca gagcagaggg aggctcccaa acgggcgtgc agggcagccc tcggtgcggt  360
ggagggaccg aagtggatgg ggatgggagg aggcagctac cttggcccta gaggtcagat  420
atcaaacgaa tggcctcaga atgccccggt caagtcctgg cccccaact tctttcacgg  480
aagcttcttc ccaagggcct anctggcaat ataattctgg gaaaaggtta catntttagt  540
gacggttggt tatctggggc aatccgtcnt tgn                               573

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<210> 7118

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7118

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agacaaggtc tcattcttgt tgcccaggct ggagtgcaga gtcacgatca cggctcactg   60
cagcctcgac ctccctgggc tcaggtgatc ctccacctc agtctcctga gtagctagga  120
ctacagatgt gcaccaccac gctaattttt gtactttttt gtagagatgg cattttgcca  180
tgttgcccag gctggctctc aactcctggg ctcaagcaat cctccttctt tggcctccca  240
aaatattggg attataggtg tgagtcaccg tgcctggccc tctaaaagtc cttttccttt  300
tttttttttt tttttttggn ggattcttgc tctgtcacc aggcgaggat gcagtggcac  360
aatcttggct gacttcaacc tctgccttct gggttcaagc aattctcctg cctcagcctc  420

```

ccgagtaact ggggttatag gcatgagcca ccttgccctg gcatctntca gcttcaaaaa 480  
gagatttaac aattaatcct cgactcttat cactaggaaa caaacaaggg catctnttct 540  
ntttggctaa aggaaaa 557

<210> 7119

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7119

gagacggagt ctcgctctat cgcccaggct ggagtgcagt ggtgtgatct cggctgactg 60  
caaactctgc ctcccagggt cacaccattc tcctgcctca gcctcccgag tagctgggac 120  
tacagggtgcc cgccaccacg cccggctaata tttttttttt ttttgnattt tagtanagac 180  
ggggtttcac tgngttagcc aggatggtct tgatctccta acctcngat ccacctgcct 240  
cggcctccca aagtactgga attacagggtg tgagccactg cgtccggcct gtatTTTTTT 300  
atttctattt ttttttgaga aagagtcttg ctttgttgcc caggctggag tgcagtggcg 360  
agatctcgnn tcactgcaat ctacagcttc tgggttcaaa cgattctctg ntnagcctcc 420  
tgagaagtan ctnggatcac anggggtcca caccatgccc an 462

<210> 7120

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7120

gagacagaat ctcgcactgt tgcccaggct ggaatgcagt agcgtgatct tggctcacca 60  
cagcctctgc ctactgggtt cgagcgattc tcctgcctca ttgggcactg aatttgtgga 120  
tattcattat attattagta taagtaaaat aaaaataagc aaaacagggt catgcttgga 180  
tcaatgagga tactatgtta tgagccaagg aaaaactgag gagccagaga cctcaagaag 240

ccaaacatac aatgtataaa caacaaaaca gagtaagaag ctattttaaa atacagtaaa 300  
 acaaaagagg attggtttct caaatgtaaa accacacgct ttctgagggc cttgacctaa 360  
 ggacactagt agttacagaa agctttccat ttctaccct agagtttcaa tgaatcataa 420  
 aaaataaatg gtgggctata ttttatttct tgcagcactc aaagaaaaaa ngcccaagta 480  
 gaaaggttct ctatgggggt tcnatctna aancctttta atctggaaat aattacngnt 540  
 ccnttcttaa ggggtta 557

<210> 7121

<211> 452

<212> DNA

<213> Homo sapiens

<400> 7121

cctgagaaca atctgttctt atcccactca ttttttaaat gattgttggc cttttgctta 60  
 agagaaattt taaaacagct ttttatttct tgtcttatta atgtttgttc attactaaag 120  
 aaattttaaa atacaaagaa ggggctggga gcggtggctc acgtctgtaa tcccagcact 180  
 ttgggaggcc gaggtgggag gatcacgagg tcaggagatc aagaccatcc tggctaacat 240  
 ggtgaaaacc catctctact aaaaaaatat atatataaa aattagccgg gcgtggtgat 300  
 ggggtgcctgt agtcccagct actcaggagg ctgaggcagg agaatggtgt gaaccggaa 360  
 ggtggagctt gcagttagct gagatcaggc cactgcattc cagcctgggc gacagagtga 420  
 gactccgctc aaaaaaacnn nnnnnaaaaa aa 452

<210> 7122

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7122

cttttgagac agagtttcgc tcttgttgcc caggctggag tgcaatggcg cgatctcagc 60

tcacaaaaac ctccacctca cggcttcaag cgattctcct gcctcagcct cccaagtagc 120  
 tgggattaca agcatgcgct accatgtcca gctaattttg tatttttagt agggatgatg 180  
 tttctccatg ttggtcaggc tggctcctaaa tttccgacct caggtgatcc acccgccctca 240  
 gcctcccaaa gtgctgggat tacaggcggt agctaccgca ctcagccatg aaattttttt 300  
 atccacttct taaccaccta tatccagtgt tatatggctt tatatgattt tatattcaaa 360  
 tcctaagtct atactgcttt atattataat tccaattcat ttgctgagaa ttctctttcc 420  
 ccatacccca catgaacatt ttattttccc atatgcactg ncatacatta caaagtccat 480  
 tggcaaatac ccaaattgaa cagcagaatt tggggaaggc tgggatnaag naaaatgcnt 540  
 tatctggttn aaagaagttt tnt 563

<210> 7123

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7123

gatgtagtct tgctctgtca cccaggctgg agtgcagtgg ctcaactgcaa cctccccgct 60  
 agctgggatt acaggcgccc gccaccacgc ctggctgatt tgtgtatttt tagtagagac 120  
 agggtttcac catgttggcc aggctggtct cgaactcctg accttgtaat ccaccacct 180  
 gagcctccca aagtgcctggg attacaggca tgagccaccg caccggccc cattagtaac 240  
 ctctttctgt ttcaggatcc aatccagggt agcacattgc atttagctgt gatcagatca 300  
 tgaatctgta atgcttatat aggttccta aatgtgtggt tttcagcctc agactactcc 360  
 cctaatecta gacgcctgtc ctctgcctag cccttatcac caaaaagggg cccagggggc 420  
 actgnggatt atggtcagna aacacctcta gaggggtgggc catgaacgcc cctttgatca 480  
 ctaagtccta tgctcactgn tcaatgccac cagaattttc ttgnggggta aggnaaaggt 540  
 ttagaaaccc gacngaggta nncggttgtc nctt 574

<210> 7124

<211> 408

<212> DNA

<213> Homo sapiens

<400> 7124

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cttttttttt tttgagacag agactcactg ttgcccaggc tggagtgcag tggtgcaatc   60
tcagctgact gcaaactccg tctcccgggt tcacgccatt ctctgcctc agcctcccga  120
gtagctggga ctacaggcgc ccgccaccac gcccggttaa atttttttna ttttttttta  180
gtagagacag ggtttcaccg ngttagccag aatgggtctg atctcctgac ctcatgatcc  240
gcccgctca gcctcccaaa gtgctgggat tacaggcgtg agccacgcac ccggcctttt  300
tttttttttt tttttttttt tttttganac anagtcttgc tctgttgccc aggctgaaat  360
gcagnggcnc aatntctgnt cactgnaaca tccacctccc gggttcaa                    408

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<210> 7125

<211> 505

<212> DNA

<213> Homo sapiens

<400> 7125

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gcttggaac acaaagtatt taataggatt tgctgactgc cataacatag aaactcaaaa   60
tacagtttca tggttctttt gccttgaagt aagcaaattc attcatttgt tcattcattc  120
attcatttat tcaacacaca ttactgagc acctaccaca ttccaggatc tgtgcaaggt  180
tctggggata ggaagatgaa tagaaggaca cagctcctgc cctccaggag ctcaaatct  240
gatggaggag gtgacgttct tgggtggtgt tccaagaaag aacagatcag aggagaggag  300
acaggaaaga gaaaaagttt cactttggac atgatgagtt tgctgggcct gcagaacatc  360
cgagaggatg agtggggctg gagctcaaat gcaagatcgg ggaatacaga tttgagaatc  420
atcagcccta angnggncat taaatgaang gtctgnctga gtcattgnaa aactgtgtgc  480
agaatgacnt gagaatgaat caagg                                         505

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<210> 7126

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7126

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gagacagggt cttgttctgt agcccaggct ggagtgtagt ggcactctca cggctcactg   60
cagcatcaac ctcccgagct caagccatcc tctgcctcc tgaatagctg ggactacaga  120
tatgtgccac tgtgcccagc taattattac tgttattatg tttagtagag acaaggctctc  180
actatgttgc ccagggtggg ctggaagtcc tgagctcaaa tgatcctccc accgcagcct  240
cccaaagtgc tgggattaca ggcattgagcc attacacgtg gccaaaccatc ctttattatg  300
ctcttatatg ttattattaa ctcacagtta ctgtgatcaa gaagagctaa aatttacaat  360
gggcttcctg tgggccagggt cctattcaga gtggcccaga gagaggcagt acctgcctgg  420
ggccgcatgg cgaataagca gaacagggat gggaaaacaa gtgggtggcg gaatcctgga  480
ttccatgcct taccagntn ttaaaacagc ttatgtcctg ggcctttact ggngccaggc  540
gcccggccaa ccttttn                                     557
    
```

<210> 7127

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7127

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aaacaagttt tattttgaga acattttaaa atacagaaaa agtacacagg gtcataccat   60
accagctgc tcagaattga caattgttca ttaccatttc ttttttttaa gttgaaacag  120
ggcttcatta tgttgcccag gccggtcttg aactcctggg ctcaagcaat ctgcctgtct  180
cggcctccaa aagtgtctggg agtacaggct tgagccaccg cacctggcct attttatcat  240
tcttttccaa cctttttcta ccttggtctt tccacaggct ccagggaggt ctagcttggc  300
tggtcaaaac ggaggtgaca ttgacagaaa gtgagtgatt aaagggtggg tgtcagagtc  360
ggacagatct gggttttttt tggagacaga gtcttactct gtcgctcagc tggaatgcag  420
    
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tgggcacgat ctaggctcac tgcaaccacc acctnctggg ttcaagtgat tctcctgcct 480  
nagccccctg agtagctggg atttncggtg tgnngccacc acgccaagtt aattttggga 540  
ttttggnaa aaacggggtt ttgccctt 568

<210> 7128

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7128

cgttcgtaca atgtttattg aatgtcaa atgtgccagg cactgtgcaa aatcacataa 60  
aaatgaggtg ggaggagtgc agtggacagg gagcgccagc aggtcaggca ggagtacaga 120  
caggcaaaga cacagacttc gaagccagag accagcgccg gagctgatgc ctgcttgcct 180  
gcctgctgag ggcgagaatg cacctgctgt gggggcctga cctcaccgcg gacacccacc 240  
gcgggagcac cagccctccc ccggtcccca gggtagtgaa gccagggggc tttgtagccc 300  
cacattgccc ggagttggat acaaacatcc caagagctag gggcgccttt actggctgga 360  
aggtgaccgt tccatttccc caacatgaac tcagaaagct tcagccaggc gcaggaacat 420  
cccagggaaa agctggctga gggcttcctt aatgcagggg tgtttctnct ggccccgtgc 480  
caagcagnca ccaanactgg caccaaatgg ttaaggaaaa taggcaaaga aagcnnittgn 540  
cctttanttt cttccttncc aggcat 566

<210> 7129

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7129

attgagaaac tgtttttctt acagaagtgg cagtgtagaa taaataacgc gagggacaga 60  
gagtgtgagg taccaagagg ctaaagaagc tgggaggttt gcctttaaaa ggagacaaaa 120

atcccaggga agctgcaagc ggaagggagt ggggtggccc ggaggcggag gactcaactt 180  
 acagaggtga agtctgcaaa gcccaggga gaggccttag aaggtttagc tgcagaggag 240  
 gggacaaatg ggtcttttcc actaaacggg tccccaaacc cttttttact ttggaacggg 300  
 tcgccgctgt cagccccgag tggctggagt ggatcggggg cctcgggaaa gtctgcggaa 360  
 ccaagctggc ttacaggtgt acttttacct tggacatctg gctgaagtcg gcaaagcctt 420  
 cagcactatt gaaggaccca cttccgaagg gatctaaggt tccaaaggga tctgacctt 480  
 ttgaggagac cctggaggat gaaaaaggga tcaactggatt caaagggtcg agcttcnaag 540  
 gtaaggaagg gtttttcggaa tggatcccag 570

<210> 7130

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7130

acaaagaatc aactttattg aacattcagg gtcagtttct cttcttgctc ttgcctgtga 60  
 ccttggctgg tgtgaggact ggagctgctg cctggtacag ggnggaggan atcttgttga 120  
 tgtagtacag accaaccatg ganaanatga agcaggnggt gacacanact cgngnggatga 180  
 ggccagatgc aaagagagcc aacaggaggc acagganaac tagggaggca agaagaacaa 240  
 ggagggcaac ggtcanaatg gaaatactag gcatctgcac atggagtcca gganaaatcc 300  
 ggggctctct gaatcctggg gaacctgctt anaagggtaa gcgtgactac agcaggagga 360  
 ttctgattac cttaatgata cccagaacat ggaggttaga ggttgagtgt ggtggcttgc 420  
 acctggaatc ccagcacttc ggnagggctg aggtgggcag atcactttga gccaggaggt 480  
 ttganaccag cctgaacaac aaaggagac ccatctntta aaaaaaaaaa aaaattgant 540  
 ttaaaaaaat ttt 553

<210> 7131

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7131

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cttttctttt ttttgagaga gtcttgctgt cgcccaggct gaagagcagc agtggtgcga 60
tctcagctca ctgcaacctc caccaccgg gttcaagcca tctgcctca gcctcccaaa 120
tagctgggat tacaggcaca cgccaccagg cccagctaata atatatatat atatacacac 180
acacacatat atatatagga gacagagtct cactgtcacc caggctggag tgcaatgggtg 240
agatctcggc tcaactgcaac ctctgcctcc cgggttcaag cgattcttct gcctcagcct 300
ccaagtagc tggaactaca ggtgcacgtc accataccag ctaatttttg tagtttttagt 360
agagatgggg tttcaccata ctggccaggc tggctttgga actcctgacc tcgtgatcca 420
ccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccggcc cagccaattt 480
ttggatttta gtagagacag gttccgcatg ttggccaggc tagtctcaaa cttctggact 540
tangnggatc caccaccttg ggcttcna 569

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<210> 7132

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7132

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aactcactta aaaatatctt ctaattttcc cttgtgagct cttctttaac ctatgggtta 60
ttcagaaatc tcttacttaa tttctgatgg acatacatgg agtgaaagag agaagtcaat 120
ggggactcca aagtttttga gtggagcaac tggaaggatg gcagtgtttt tcagtgagtg 180
ggaaggatg caagcagagc agattttaat ctctggaaat gtttgtgaag gctcgatatt 240
agttctatgt ttgacagaat tcatcagtga agacaaaata acctcctgag gttattttgg 300
ggcaagaaca ggggtgcagt tctggatctg ttcagtggaa atgcccatta aaaagccatc 360
aagatgtgga acaggcaact ggatatggaa atattgagtc tggggagcag tctaggttgg 420
tgtcttcagt gccgtatgtg gtatttaatg tcacaggact gaatgagatg accaaaggaa 480
tgaatagaag aagagaaagt tatcatgaga agaagcanaa naaggggtca taangagact 540

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ggttcatggg aactttttaa ggaaattaan a

571

<210> 7133

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7133

gagaaagagt ctcactctgt caccaggct ggagtgcagt ggtatgatct tggttcactg	60
caacctccac ctcccgagtt caagtgattc tcctgcctca gcctccagag taggtgggac	120
tacaggagtg caccacacct ggctatTTTT tttttttttt tttgtattt ttagtagaga	180
tagggtttct ccatgttggg caggctgggc tcgaactcct ttctcaagt gattcacctg	240
cctcagcctc ccaaagtgct gggattacag gcatgagcca ccgcaccag cctgctttca	300
ttgtattcta ttggtcaaaa caaatctcag ggccagctca gatataagga gaaggaagga	360
gactccacct cttgatagga aaaacagcaa agaattgtgt gctgtcttca atcacagcta	420
ttttaattcc acagtaacag ccttgactg gtctccctac tttaatcctt aatgccttat	480
agtcaattcc ccacacagaa gccagangag ctttttaagg acactttaat gngaagaatt	540
ttagaaggaa acnncccccc cccc	564

<210> 7134

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7134

aaagacattt ttatacattt tttagtagag atgcagtact gccatgttgc ccaggctggg	60
cttgaactcc tgggctctag caatcctcct gcttcagcct cccaaagggt atagagatta	120
caagcatgag ccaccatact tgcccattga ttattttcct ttaaactctg aagtcacgag	180
aatgtgaagc cctgagaacc ggaactgtga agaaaatgta ttgtcactca tgtgaaccag	240

aagtgaaggg gtgtatgaag ctttgtgatg gacacaaagt gttgttgccc ctcctgatgg 300  
 gactgcaaag ctgggatgca agttgaagcc ccatctggac tccatgccct tcctgggtga 360  
 aagcactgga gcagacatgg agccagggca tgcttcctta tgaatttcag taactcgtac 420  
 tttcactcct tcaagaaaac atgtgaggtg tttttgnttg nttgntggtt tatgnttta 480  
 ggnttttttg tggtaatggt ggtggtggtg ntcctttctt 520

<210> 7135

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7135

ctaaagtgga gttctgactt gtgttgacgc catcacgcag agcctcctgt tcctgcctgg 60  
 agccagctgt ctgtcattta ggagtgtgaa atcaattggg cttcagagat gtaaaatccc 120  
 taggggcaaa attaaaagtg acccagatcc aagcccacgt ggtcctgtca ggaacacgac 180  
 tctcatatgg caagtttcaa agatttagtt tcaaaattcg ggtttcttat tttaaaaaat 240  
 atgcagttgt ttgacattag atctgacaga caaattatag cttcagcaat aaaggctttt 300  
 aagattagaa atgaaaagag aaattactta tatattaaaa aaagaaaaaa cccacccagg 360  
 cttgagtttg gaggcatttg taggcgcgtg cgtcactctt tcttcctgc aaatataagg 420  
 ggctccatca gctgatgagg ccgtaaatag agaagcgagt tacatggaat ttcgaggaaa 480  
 gaaccagtgt gctggcaacc tttggaaatc anggtgatgg anccggtcag ttggttgcac 540  
 tggtttaaac tggggggggtc cccttgg 567

<210> 7136

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7136

ctccattctg aaaatagcag gacatttacc tcttaaataa acttagcatt tagaggtaat 60  
 tctaaattta acaagtgaca gggttggttt caaagaaaaa ggtccatgct ttgcttacaa 120  
 tggagtctgc agtgagggga gatgctggga tagccatttc catggctctg ttatgcaagc 180  
 acaaatttca tctcctagat ggacttcctg gttttctctt actgcagtaa cactggcctt 240  
 cccttctcta attccttacc ccagctgcgg catccctgtg ttaactcagg atgccaagtg 300  
 gccctcagat tacacttctc cagatagctg aatgagtctg ctttactgt gactgggacc 360  
 tgaatgacct gcagtcaggg cccagagttg ggactctata ctaccctggg ctctggctg 420  
 taggtttgta gtagccaccg gtaataagcc aagggttagg ctcttgtttg agtttatggc 480  
 cccctggaat tttcaggcat ctcgatgca gcggaagggc anacngatgg attcnacagg 540  
 ttggttttta aatttcacc 560

<210> 7137

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7137

ctttttggag tataagatcc attcttattt aagtcattct tttttaatt tcaatagttt 60  
 ttgtggcaga aatggttttt gggtacatga atgagttctt tagtccattc agtcttaaag 120  
 aattgtctgt gtttcctttt taaatcaatc tgagcccttt tgatagtatt tattttccat 180  
 gctcatattt tttattctat ttgcatttt ttttaacttg tgatttatgt gagtaccatc 240  
 agactgtttt aaataagttt cacagcttgg aaattgccag accacacaga gtataaattg 300  
 aaactgaaaa tctatgaggg agggcctgtg gttagaatt cttagaaacg ttttcctcag 360  
 gcaagaacag gtcaagacgt atttgtcacc tctctactga gaccacagtc ctttgagtgt 420  
 ctcacgttac tatggtatct ctaacttaaa tggacceaaag accctgctcc tgctcccaca 480  
 aggcagttga accccaatcc tttggattac caagaatctg caggagcccc nanggccact 540  
 tgcncagnca attcctttcc ntttcagtt 569

<210> 7138

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7138

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ctaaccaac tttcagtttg tttctacagt acttacagtg agttgctggt gtattttcttc 60
tctgttcttt tctctctata tatattctta ccttccttcc tgcattgatga atttgacctt 120
ctagattttt tttttttgga acaatccagc ctggttgtga caaatggaga aagagagaga 180
agatcttaat tgtgatataa ttgacctttc acctttgttc actcccactt atttatttgt 240
ctttaatatt gttatgggta gttctttgtt actgtttaa atccctgtt ggatttttct 300
cttttgagac agatcttccc acgagggttg tatttagcca ccagcttggt aagtctaggg 360
tcgagaggat ggctctcatc agcagcagta ccattcaggt ccagcagagg gatcggatcg 420
tgattcactg tgccctgggc gtcttcagg tctctacagg gtggccttct gatgatctcg 480
gcctcctgat tccttagact atttcgacat ccttcctttg gttttccaac cttactttta 540
agttggttcc ncagg 555
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<210> 7139

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7139

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aatttatagt caggtccttg ttctgtgtgg cccaggctgg agtgcaatgc aatcatagct 60
caatgcagtc ttggactctg gggctcaagc aatcctcctg cttcggcctc ccaagtagct 120
aggactactg acaagtatta ccactcctgg ctaattttta atatttttt tgtaaagacg 180
gggtctggct ttgttgccct ggctggctgc gaattcccgg actcaagcaa cttttctgcc 240
tcggcctccc aaaatgctag gattatagga ataagccact gtgcctgtcc aaaactttat 300
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ctataggcag ggtagatctc agtatttcat attttccttg tggcagagac agtggttaacc 480  
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<210> 7140

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7140

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 catggcgcgc acctgctccg gggaggctgt caggaacgcc aggggcccga tgcgctgctc 360  
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 cagcttcttc atggtaagga cgggtgcaac agggatggca ttgttgcaact gtcccacgca 480  
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<210> 7141

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7141

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tcattctgaa acccaaggct tgtatttacc agtcctttct gctaaagtca tccagctact 180  
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 tggcaccaaa agcagcatta cacttgggac atttgcgctg gcgggtgtca tagcgtgtct 420  
 tcacacactc aaagcagaag acatgaaaca cttagtaaga acagcatcct ttttacgcat 480  
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 tacacttggg acattggcnt gggttnt 567

<210> 7142

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7142

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 ggactatagg caccaccac cacgcccggc taattttttg tatttttagt agagatgggg 180  
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 tctagatata caatcatgtc atctgcaaac agagaagact tcctctcttc ctgtatgggt 360  
 gccctttatt tctctctctt gcatgactgc tctggtaagg acttccagta ctatgttgaa 420  
 ttgaagtggg aagacaggac atccttgnct catgccggtt ttcaagggtta atggttccag 480  
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<210> 7143

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7143

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at tttgggtg gagagaaaca caagggcaat ttggcacaac gctgctagat actgnggggtt 180
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gccc atgagc gaagactgac tgagaactgn atccgacatc cgggcaanct taagtgttt 480
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<210> 7144

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7144

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cagggaaca ccggtaaccc ctctgtggg ctgctgcaag ggtgacacag catcagcctg 180
agacctcctt tgaaaagctt ggaataagaa agcacccaaa cagcacaaga accacctgct 240
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gttcaatgca gcaaaagcct gaacagcaaa tttcacctca gatgagttc taacagcagg 420
atggaactgt tgtacttctc tgtaattaa aggagagaaa aggggttgga atgttatttt 480
aaataagaca aaattttcat gaagatagat ctgataaata atagatttca ctggncanat 540

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567

<210> 7145

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7145

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gtttccaaat aacatacaaa tatttagaaa agattgtttc tcagatcccc aaattcattg	120
caattctcaa gctgtgttga gaggattgac ttcaaagaga agaaaagtaa taattaaaaa	180
aatgcgacta tgatttttta aaaataaaaa agtctttttg gatctatgac agaattatgc	240
cataaaaata atagctagca tttagaaaac actttctatg tgtcaggcag tgtgctaaaa	300
gccttgtgta gattttttca tttagacctc aaattaatgt gtcattatca attagtctcg	360
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cataaccaac ttaaggacaa ggagtctaaa aaacagagtt gggtttttta atncaaaggg	480
cacagcctnt taagcataat ncccatatat tgnttggggg anaaaaccgg atagttgggg	540
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<210> 7146

<211> 577

<212> DNA

<213> Homo sapiens

<400> 7146

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ggcagttcct gagtcctcca ccgcccctgc ccagccccctt ctgctgcctc tccccgcccc	180
ccaggccagg cgctgggcca gcaatgcaaa tggctggggg tgggatcacc aaagagaagg	240

ccaagccaac taccctact ctgccaggcc agtccccac aacctgcac cccaatacct 300  
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 tctgtgcacc ctnacaacaa ccctgtgagg taagtgggtt gggaagagt accccctgga 480  
 ctaangctca aggaggcaat gtgaccgggc caggaaggac cattcaccat gcacaaggga 540  
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<210> 7147

<211> 460

<212> DNA

<213> Homo sapiens

<400> 7147

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 tacaggagcc cgccatcacg ccagctaata ttttttgat ttttagtag agacagggt 180  
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 cccaaagagt tgagattaca ggngtgaggc gggaggacca ccgagggtca gaagttcaag 300  
 aacagcctgg ccaacatgat gagaccccat ntctatataa aaaatgcaaa aaaattagcc 360  
 tggcatggtg gcacacacct ggaatcccag ccacttgggt ggntganaca ggagaatcac 420  
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<210> 7148

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7148

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caacctccac ctcctagggt caagtgattc ttctctgcct cagtttccca agtagctggg 120  
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 ggtttcacca tgttgccgg gctggctctg aactcctgac ctcaagtgat ctgcccacct 240  
 cagcctccca aagtgtggg attacaggcg tgagccactg cgccccgccc actgtctttt 300  
 tttttttttt aaaggacctc aggtgattct gatgcacagc tcaggttgaa agcactgaac 360  
 taaaggaagg agccttttga tatgcattca ggaagcagcc aacctaattg aatcaagaag 420  
 agatagtcc taactgtcag ccttggtgct aagtgaggaa gagataattt ggcaaaccat 480  
 ggaaacccca cacaacacac agagctttta tctagagcaa ggagacngac aacttcccaa 540  
 actacagtca gnttccaana gccttacacc ntttatgggc t 581

<210> 7149

<211> 585

<212> DNA

<213> Homo sapiens

<400> 7149

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 cacaggcgtg caccaccacg cttggctaatt ttttgtattt tagtagagac agggttttgc 180  
 catgttgacc aggctgggtc tgaactccta tgacaagtga tccaccaac tcagcctccc 240  
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 gaacaaacag taagttcgcc tggcagcatt gagttttctc aagcaggaac ctacagaggc 420  
 tggagtcac atccctctgc aggggctaatt gaagttggga aggttcttg aacttctctt 480  
 ctaggacaca anctggcgca ttcangtgat ggagcattgn ccatcttgct gnttntgggc 540  
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<210> 7150

<211> 584

<212> DNA

<213> Homo sapiens

<400> 7150

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gttctgacat ctgggctctg gaactgtggg agaatcaatt tgtcttcagc cccgcagttt  180
gtggcaattt gttacagcag ctgtaggaaa tgaacacacc agccacctag aaaaccacca  240
gttcagatgg gtgggtcaga ttccaactcc acctgaaggg ataattctag ttttctccct  300
cctcatattt tcaactccgt tttctgacaa gaaacctggc ttctgtgatg cttaatagat  360
tgacttcttt ggtcagtccc ccatatgaca gcgacctccc tgctcctctg ccacccttgg  420
ccctgagggg gctccctccc gacctcccca ctggactcag ggcagtgtcc tgctctgggc  480
acacacccat atcctctgct cacctaattg ctagaccaca ttactcggag gggaagggaa  540
ggagaaggta nangaagaac aaccctgggt tatgcccacc cttg                    584
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<210> 7151

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7151

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caacctccac ctctgcgtt taagcaattc tttttttttt tttttttttt tttttttgta  120
gttgcaaggt ttaatagagn gaaaacagag ctccataca aaggaggag acccaaagag  180
ggttgccatt gccggctcga atgcctgctg ngctctcagg cgatagatga ttggctattt  240
ctttacctcc tgtttttgcc taattatcat ttttaacgagc tctntttgct acctgattgg  300
ttgggtgtga gctaagttgc aagccctgtg tttaaagggt gatgtggtca ccttncagc  360
tagccttagg gattcttaag tcggcctagg aaatccagct agtcctgnct ctcaatcccc  420
cctntnaaca ggaaaacca agtgctgttg gggaggttgg cccatgaccg tctaactgnt  480
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tctctgctgaa ttggggcata anaggggntg ngcaattgan aattcctcng gagggatgcc 540  
tttgaggcct taacatcnaa catggggct 569

<210> 7152

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7152

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ctgggattac acgtgcatgc caccacacc agctaattctt tgtattttta gtagagatgg 180  
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gccagttcag tggttttcaa actcgagctt gtagcancat aactgggggg ctttgtaaaa 480  
cctgatcgct ggcccccaacc canggttttg attcaacagg ctggggaagg ctgaaaaatg 540  
ccttttaaca agttcccaaa gaagctt 567

<210> 7153

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7153

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caggcactag cgttattaca aggaggccat gtgagccggg catggtggca ctcactcata 180

atcccagcta cttgggaggc tgaagcagga ggactgcttg gaccaggag ttcaagacca 240  
gcctgggcaa catagcgaga cccactgca aaaataagga atgccatgtg aaggccacac 300  
agacacatag ggtagatggt ttcagagact ggagtgatgc agcagcagcc aaggaaggcc 360  
aaggattgcc aggagccacc agaagctgaa gagacaagga aggatcttcc cctggagtcc 420  
tcaaagggag tgtggcttgg cctatacttg gatttcagac ttttagcctc cagactattc 480  
tggtgcttta agccactgat ttgtggtaat ttgctatggc aggtccttac tctggctatg 540  
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<210> 7154

<211> 491

<212> DNA

<213> Homo sapiens

<400> 7154

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cacaggcgcc cgccaccatg cccggctaata tttttttttt ttttagtagag acagggtttt 180  
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caaggagtca naattcttaa atggcttact cagttggata tatagttgag ggcanaaata 420  
aatttattaa tgaaatctnt gaccaaaaca aaccaatntc canaanactn tggggcncca 480  
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<210> 7155

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7155

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gtggaaaaag aacagaaaag caggagacag aaacaaaaac atgcaggaga gggtgattct 180
gttccatgat cttggctcag tgctccaggg ttcctaattgt ttcagcaaaa agaaaatcac 240
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ttgctaatec ttgcaaaacc agcttgaaga accattttcc tncctgagaat tttcttctgg 480
tcaactgctaa tttnggctac ttaagtnent tggttcttct tcaactttaag taaatatctc 540
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<210> 7156

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7156

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tacaggtgcc cgccaccacg cctggctaatt ttttgtatct ttagtagaga cgaggtttca 180
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tttttcataa gggagtaaaa tggngnggtc ataaccgaga taaggtggng gggtcatctc 480
tgngctgaga aactttatct tactagtagg aaacatagta atccctacan tcattaaaag 540
gatgcctgaa gaactt 556

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<210> 7157

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7157

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ctcccaagta gctggtatta caggcacgtg ccactgtgcc tggctaattt ttgtattttt 180
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atgatctagg taacatgacn aatcgnttgg aganctgggc aatctgggtt aacttaaacc 540
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<210> 7158

<211> 494

<212> DNA

<213> Homo sapiens

<400> 7158

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tacaggcacc cgccaccacg cctggccaat tctttgtatc tttagtaaag atggggcttc 180
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caaagtgtg ggattacagg cgtgagccac ggcgcccggc ccctcatctc ttaaaataaa 300
aaaggttgaa ggagttgggg gagtttggat acagaccag ggagggcgcc ttgtggagat 360

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ggaggcagag atgcggctga cgcttctcca agccaaggaa catcaaggac gccggccacc 420  
 agcaggaact ggganaggcc tgggcaaate ccccgtnagc cttangangg accaancctt 480  
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<210> 7159

<211> 528

<212> DNA

<213> Homo sapiens

<400> 7159

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 tacaggcaca caccaccatg cctggctaata ttttttatat ttttattaga gacagggttt 180  
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 ttccaaagtg ccaactgcacc tggccagcat ccaactagctt ttcatcagac catgaaatgt 300  
 ttgggtccag actgctcact ctttccagag ctgcactgga aatacactat tctgaacggc 360  
 ccaagttcct ccggagtatt cctctgatgg ggcacaaacc tgggtggacca caagcatgct 420  
 ggtaccaagt gcttttttatt ttacaagagc cattctgntc cntttngggc gaaccggggc 480  
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<210> 7160

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7160

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 caatagctga ttctcattg tcctaataaa gtactcagtg caggttagcc tccttctccc 180

ccgccagctt ctcttccact tccccacacc gtacatgcct ctccctttct ctctataact 240  
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 gatcccagct gccttttgaa cagagcagac atcctttaca gagacagggt gcctggaggg 360  
 gagaacaggt aggggcacac tgagatccca cagcaacctg agagattctg ccccgtagacc 420  
 tgctggcccc cttcanggca cttnctaatt tcaatctttc attaantaag gcagcttaga 480  
 agctgntttt cagcttgnaa aagnccaacc cggcangaat tctg 524

<210> 7161

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7161

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 atgtggctat aaaacctcca gaactgctcc acctgcagag agaagacccc agagtaaaaa 180  
 acatgtgtct ttactttttc ttggaatgca tccaagggtt gagatttagt taagaacata 240  
 agcatggaag acactatact acaggctgtc cttttcagag gactcatttt catgtgtggt 300  
 gttgtgaggg aagacatatt agaggaaaa cataccatct agtttgacaa aataaaaaat 360  
 gtaacattcg caattcaaga ataaaatctt tggtagagaa tgcaagcctt aaccaggagc 420  
 ttttaagtggg gaaacctatg taatacgcac ttttccactt aagctgcagg gtagcattac 480  
 atgccgnaga ngacccggtt tttgencatg gnactnttan ccctgaggat gaaggggacc 540  
 cagctaactg a 551

<210> 7162

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7162

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ctgcttcttt ggagagccct gagacaactt tcttcccaa atatccatt ttattgtttg 60
ttgaaatatt ttatttctaa ttttattatt tttgaacagt taaaaactca aagtacaatg 120
aagtttacia tgaaaaggct cactcctggg atccttatcc cccaggtatc tagttctgct 180
ccttgagac taccaatgtg atcaggttct tccatatatg tcttcagaga cagtctacca 240
tatacaaaca aataggaata catacacatt ttttcttctt atacatcaat tgtagcatgc 300
catacagttt gacaccatgc ttttctcaat aaacattatt atgccttaga gatcttttca 360
tctcagtacc taaagcactt cttcattcct ttttccattg ggcaaattaa gttcaccaat 420
cctctgnaat ttattatcta aaaggngaga catggagaaa tgaaagccta ttaataatat 480
ncagaacagc aggttttaac tgggagggtc aaaagccaag ctatggtatc tacctttggc 540
gatnttaagg tgc 553

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<210> 7163

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7163

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aaaagacaga tacacacaca tataacaat acggtttccg aggagagtga gggctccatg 60
cttgtgagag aggaggagga ggaatatgcc gaataaccct caggtttctc ccagatttga 120
acatgttgta ctgtggcatg aggtcagcag agacttactc cagccctgtg aggctgaatt 180
ctaccctgac aaagcagtat cactgtaata tgaagcaaga ggattcaggg catgttggca 240
gctgtacaga atgcctgttc tagaaagtaa tggcaattcc aaaacaagag atctatggtg 300
tcacatgaga taatcttcag cccagttaag caataagcac ccaaaatact ttgaatccca 360
aacacaggca gctcaaaagt ttaatggtag aaaagaactt ttctccttga ccctattttg 420
gtctggagga aataatcagg aagaagaaaa ctgggaagaa tcatttggtt aatttgactg 480
gatcattaac cacatactgg atctganctg actggtinctg ggcaattcca nctacttgaa 540
gaacccaac cncctttggn 559

```

<210> 7164

<211> 467

<212> DNA

<213> Homo sapiens

<400> 7164

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gagacgaagt ctcgctctgt caccagact ggagtgcagt gacacgatct cgggtgccacc 60
acacctgcct aatTTTTgtA tttttagtaa gagacagtgt ttcacatgt tagtcagcct 120
gatcttgaac acctgacctc gtgatccacc cgcctcacc tcccaaagt ttgggattac 180
aggcgtgagc caccgcctgc acccggcctg aatactcttt gagccaatca aatgttataa 240
attaaaatca cactaactca taatcttatt ccttaaaatg agtgacttac aggtgtcata 300
acaggtgact tctcactgct tggagaatcc actgcacaga aaaaaaagaa agaaaaaaaaa 360
gatatgaatg tgagtatttt ctaattggct ttggttttga cctatcaagt ggagtatagt 420
tcctacatca ctttnaacc aatttggggt gngggtgnng gnnngng 467
    
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<210> 7165

<211> 504

<212> DNA

<213> Homo sapiens

<400> 7165

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gtagagacag ggttttacca tgttgccag gctggtcttg aactcctgac gtcaggtgat 60
ccacctgcct gggcctccaa aagtgtggg attactggca tgagccacca tgcccagcca 120
gtttagggat ttttctacct gagagtgtgt ggctctgttg tagccaggaa gctaaagcct 180
agtatctatg ctcagggttc cagtgatctg gggatctaga acaatcctgg gaaaagagcc 240
cttactctca gcaaagtcag tattcccat gtcctactag aagagagaga gtatactttg 300
aggtccttgt aaaaccattt agtcccaaac tcagcttgag ccacaggtag ttgtcactgg 360
ctgggtccag ccagagagag tacctgaaga aatcactcag atgacagctg atcacttact 420
gtgtgacctc aggcaagtca cctcccttc aagcctnagc ttcctncact gnnaaatga 480
    
```

gaangctgac ttgacctggn ccan

504

<210> 7166

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7166

gctttttaag ctgttttggt aaaaagacac aaacacacac attaatccac gcatatacag 60  
 ggtcaggttc agtatcactg tcctccacat tcacatcctg ctccacgaga agtccttagg 120  
 ggcaataaca tacatggagc tatcatctct gtaataatgc cttcatctgg aatatctcat 180  
 gaaggacctg cctgagggtg ttttatagtt aacttatttt tataagtaga agtggtacat 240  
 tctaaaataa caaatatagg atagtaagta tgtcaaccaa taacataatc tttattatca 300  
 tgattagcat tatgtaccat acacaattgt atgtgctata cttcatatg actggcagca 360  
 caatagattt gtttatacca gcatcatcac gcacatgtga gtaacacatt gtgctgtgat 420  
 gttatgggca actatgatgt cacttaggaa taggaatttt aattctatta taacntatga 480  
 gaccacggca catatgtaac ttggccttan cgaacatctt atgtgngct gactaaagat 540  
 cacccaacca a 551

<210> 7167

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7167

accgcaaact ggttccttcc acctgagtat cctaccatt atgggctttg aatgtgtatg 60  
 ccctgcctca gacctttgag attaggttct aaacttaagt tcacaaaaga agcatcacct 120  
 ccatagtga tcaccttttc agcatgaagg gtgaaatgtg aaatgatcta atctgcttgt 180  
 acgcaatgcc taacgtgggg ttgcatagat gtgatgctgg atggttttgt aaccattcct 240

ggaggcaaga ttcctccaca accatgttcc attactctgt ggccatgttc taccttgctt 300  
 tgacagccta gcatagaaca ttttggcagt ttcagatcct gactagatgt ctgctggagg 360  
 agttaaagc tgtagtcact gggacagatg cgtggtgagg ctcccggctt accatgtctt 420  
 catgtgccga agctttttca tttcctctct ggattcaagt ggaagttaca agccttnaat 480  
 attaccctca ttatactgag gctgananca atcagtttac ntcctagaaa ttncattagc 540  
 ccttc 545

<210> 7168

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7168

gtagttggtg tttgttattt attgattctc cctccaaagg ggcctaagct cgacaaaacc 60  
 gttacagttg tcagaacca gccacagggc tcagccccct tccccacgt cacgtctgca 120  
 tcactactgt ggggtgagcct ggacggacgg gggctggggc tgcccgtggc agcggcaagg 180  
 gatgctttcc agagacagcc accacgcagg agggaggatc accccaggca acccagacac 240  
 ggggtgttcac atgtgaggct gtgagctcca catagcaca aggaggcttg ctgactttgg 300  
 gcggccatgt ctgctgggac ctgggtgatc cagtgcgtgc cacagccaga agcaccattc 360  
 cctgcatatg gccactagcc accctggggt gggacagcct gtctagacag acagcacctt 420  
 gggggctccc ctgagggtca gtgagggcct gaccccaggc angaactgcg tggacgcttg 480  
 tcttcaaccg ggacaaacct ggccttcggt tgcntntgcc taatgnattg ggttccanac 540  
 tgggcccgga naaacctggg tgggaaactt ggg 573

<210> 7169

<211> 572

<212> DNA

<213> Homo sapiens

<400> 7169

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ggagacaggg tctctctctg ttgccaggc tggagtgcag tggcacgac atagctcact 60
gcacccctga cctcccaggc tcaattagtc ctcccacctc agcctcctga gtagctagga 120
ctacaggtgt gcaccaccac gcttggtctaa ttttttagtt tttttgtgga aagagggttt 180
cacattgccc aggctgggtct cgtgctcctg gacttaagt atcctcctgc tttggcctct 240
caaagcactg ggattacaga cgtgagtcac cgcaccacgc cctatgaaca ccgtcttact 300
gaaccctcac agcaacctta ggaagaggat gctgaggctc aggtggggta agcaagctgc 360
ccaaagacct gagccctccc accaccggc agtccctccc tggcgcggnc accagcctac 420
cttcagcccc ataacattct gccggtctac ctacacacg taatgggttg gtgaagaacc 480
cgttgcgggc cgcaaaattc ctttgaccng agagacaatc ttnccttntt ggacaccaag 540
ccgactgggc catgctggcc ttggcatggg ga 572

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<210> 7170

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7170

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aataaatact caatatgcag attttcccct tttttctcac tggtagctac tgcaatgccc 60
agaagcactg gctctccatg ctgnggaaca tgcccaacac tacgctaggc aatgagagat 120
actgatgagc aaaacacact tgtggcctca tggaatgaat ggaaggaggg agatagcaca 180
taagtatttc aggtagtac aagtgtatg gaaaaaaacc caagacaggg tggacacagt 240
aacctcttca gatgcggcgg tataggcagg aaggcttcct tgagatacca ggcaagctac 300
gagctacctg atgaggaacc agtgggagaa catctggttg cgagggttg gccaggggga 360
agggggctct gacacaggaa caaatgtgat atgcttgaaa atcactaaga tcaactgnggc 420
tggaacacag tcagagagaa aaatgtgtan taaatgaggn gggaaaaaaa agcnnggccc 480
attcaaataa aaacttttaa ggccatggaa agnaatgccg gaattgccct aagtnccaat 540
ggggaag 547

```

<210> 7171

<211> 352

<212> DNA

<213> Homo sapiens

<400> 7171

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aaagagagca ggtcttgcca tgtggcccag gctggctctc aactcctggg ctcaggtaac   60
gtccacacagn ggccttgcaa agngctggga ttacaggcat gagccaccac ccctggcaca  120
ttttttaatt ttttgtanan atagggtctc gccatgttgc ccagtctagt catgaactcc  180
cgagttcaag caatcagccc accttggcct cccaaagngt tganattaca ggtgttgggc  240
caccacactt ggcctanaaa tcattttcca ggcacggngg ctcatgccta taatcccggc  300
acttttggga ggcgaggcgg ntggatcacc tgaggncana agtnnagac ca           352

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<210> 7172

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7172

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gagacctctg ccactccttg atgcaggac caaagtcacc agtcagagaa caagtcattt   60
ctctacctca gccaccattt tgttctaaaa ggnaacatag aacaaatgtt aagttttcca  120
aagtccagat ttatgatcag agttaatgag ctgaataatc agctgtaaga aacactgatt  180
aaaaacattt acatgagtta atttgtgtta ctgactttta ctagaatgta ggcaccctca  240
ccatgctggt gagggtgcct aaaagaaaac catacttcca aactctcgct ttagtaactg  300
taccgcttac aaagagccca acagtagctg aagtttatta ccgttatgtt gctgtgaatg  360
ccaccaatat gtactgtcag acttgntttg ggtgaaaaaa acaactgcaa aaccaatttt  420
tttttctaac atctgatagg gacttgatga agccgctaaa tgctaggggt tacatttcag  480
gaaacaactt atttatggta tgggtgctat taatcccaaa ggnntcatg gngaaatacn  540
ggntttncnc                                     550

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<210> 7173

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7173

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gtagagatga aatctcacca tgttgcccag gctggccccg aactcctgca ctccagtgat   60
ccacctgcct cagcctccca aagagctggg atcacaggcg tgagccaccg tgcaagccct  120
acaattttaa atacttaa atgttgtaagtt ttctgtttcc tgactgtact ctgatagatg  180
cagtacttgg caccagaatg tgccatgaga cagaccctaa aagacacagt tgtgcaactg  240
atttggttgt gttcctgtcc ttgtcctcac ctgtggttga caagaaagcc gggctccctg  300
ggctctcagg tgtgcaggac ttgccctccc agccttcccc acgggagcca ctgccccttc  360
agtggggtgc tccagacaag ggcgacatcc tgcgctttca gggcccacag aacactgatt  420
ttggtgaatg ccaaattctg gggccccaaa acaccatggn gggccaccag cnaaagnggt  480
ggctgacggc aagggatcat gccactgggn gtccaagtgc atnttgaact tgggcctgga  540
agttttgaaa ancctgcttg ngg                                           563
    
```

<210> 7174

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7174

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gagacgtagt ctactctgt tgccaggctg ggggtgcagtg gcgtgatccc ggctaactgc   60
aacctccacc tcccagcagg ttcaagcgat tctcctgcct cagcctcctg agtggctggg  120
actacagggt catgccacca cacctggcta atttttatat ttttagtaga gacagggttt  180
caccatgttg gccaggatgg tctcgatctc ttgacctcgt gatccaccg cctcggactc  240
ccaaagtgtc gggattacag gcgtgagcca ccgtgcccg cctaaaggag taaattttaa  300
    
```

gtgttctaac cacaagaaa tatgtgaagt aacgcatatg ttaactgggt tgatttagcc 360  
 actccacaat atacacgtta ttcaaaacc cacaggcatc acatcccatt tctcacccat 420  
 gagtagaata aatcatagac cacatcacag caataaggng acanctgtgt cancnggggc 480  
 aaggntaca ggacttacca ncaaacatct aaggggctnt ttg 524

<210> 7175

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7175

gagacggagt ctgcttggt gccaggctg gaggcaatg gcacgattc gactcaccac 60  
 aatctccgcc tcccagggtc aagcgattct cctgtctcag cctcccaagt agctgagatt 120  
 acaggcatgc accactacac ctgtctaatt ttgtattttc agtggagatg gggtttctcc 180  
 atgttggtca ggctgggtctt gaactcccga cctcagggtga tccaccgcc ttggcctgcc 240  
 aaagtgtctg gattacaggc atgagccaca gcacctggcc ctatttttgt atttttaatg 300  
 gagacgaggt ttaccatgt tggccaggct ggtcttgaac tcctgacctc aagtgatctg 360  
 ccagcctcag gtgccaaagt gctgggatta cnggcaagaa ccaactgtgcc cagcctactg 420  
 ncaagtatth ttcagatgan ggaaaaccca gacttcagag aaattaagga atctgtccaa 480  
 ggcgatatgt caaggnatca gaatctggaa ctggagcctt tcaatccaaa gtccaagctn 540  
 ttaatcttca ggccccactg gt 562

<210> 7176

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7176

ccccatttaa aaatatntta cagnggcata actttccctg tacaaatngg gttaagaaa 60

caaaaggac aatngctaa tcaatgatga gcctttaatc caaccattat atatcccctt 120  
 tccatcctta gatcccttga agagaccatt tagttaagac taccacagg tgacaccctg 180  
 acctccttac caaccttgcc ttttagaggt gaccagagac ctgtgctttt ccaaagtact 240  
 gttatacgtg taattagtat aatatcaatg tggggaaact ctacctttgg attttgagga 300  
 ctctgctttt cttgaaaccc tctgggttag agactgttta ttcatatgca cctcaggaac 360  
 ttgaggccaa gatgaagttc actgcttcct agtcctttgc ttgntctcct ggccattatg 420  
 ttccaccttc attcaaaatg ccttctcttt gaagctgntt ataaccaag caacaccatt 480  
 aaactnactg ggngcttaac tggnetcaat caccacnttt tccaagtcna cttttncctt 540  
 ttttca 546

<210> 7177

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7177

atactgacaa ccaagcttta ttactttatt agagctgaac aagcatatta aaagttaggg 60  
 catggaaggg aggaagcagg accagctcac gggctggaga tgaaccaaga agggttgtcc 120  
 atgaggtgaa gctgggtcag agggagcagg catggtcgag gctgtggtta ccatctagaa 180  
 ggagaaggag tagtggggag ggaaatcact gctcctgggt gcccaggaa atgtagtctg 240  
 gctgggtggc cgcatggtac tcatcaatga gctcctgaac aacctcccta gacctgtcca 300  
 tctcatcaaa gttgtccttg aacatgtcct ccttacggaa ctgctcgagg aaggcatccc 360  
 gcttccgcag cttgtcaaac tgctggcagg aactttcaaa gagcgaggag atgctggtgt 420  
 ggttggccat catgagcccg ctgaccgggt gggcccaggg cangtaggga gactttcttg 480  
 acaggggcca cctggatctt gccgggnccc acnggatgaa nttggccact ttccgttccc 540  
 ggntcttttn gggt 554

<210> 7178

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7178

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ccgagacgaa gtctcactct gtccccagg ctggagtgca gtggcgtgat gtcgactcac   60
tgcaacctcc gcctcctgag atcaagcgat tctcctgcct cagcctcctg cataactggg  120
attacaggtg tgagccacca cgctcggcca acattctgag attacttttt ttttcatttg  180
gggagacgaa tcccttacta gcagagctgt attgagggtt aacggtggta atgggtctcc  240
agggcttggt gcagtttgta ctcaacaagt acgtaattct ctcctttggt tgcccctgaa  300
tacaagagtg gtcttgtact tccctgcctg aacagtccac agccaatggc actccagtcc  360
ttgtcacatg gttccactct taggatgtaa attaggaggt accagcttga gaggcanaagg  420
caaaggcaag gttaagatgc agctgtgang ctgggcacaa tgggttcacg ccctataatc  480
ccagcacctt tgggaaggcc gaaccgagcg gaccancttg aggncaaana gttcgagaac  540
cagcctggnc aacacgggga aaaat                                           565

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<210> 7179

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7179

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aagagagaca aagttttgcc atgttgccca ggcaggtcct gaactcctgg gctcaagcga   60
tcttcccacc tcggccttcc cgagtgtggt gactacaggc atgagccacc acacttagcc  120
tgtcggagtc cttttgataa taagggtgact tgaggagaca ggaaggaaac actaaagcca  180
gcacagggtg tcccggggca agtgcattcc aggccaggaa gcatacgagg caggatgtgc  240
tcggcatgtt caagacttca gggacaccag gggcagatgg aggatggcag agaatgggtga  300
gaggaggcca gagcaggcaa gaggccttta ggactctggc ttttactgag ggacatggac  360
gccgttggaa ggtctgagct cggaatgacc tgactgacct gtcttacagg gacaacttgt  420
ctgtgggggg acactggcan ggaagcttgg cttgtggcca cccaccggcc ggcactggca  480

```

acctcgtcct tgcctttcac aatggaccng gcntgggctg ngtgacccca gatncnganc 540  
ttatngggaa t 551

<210> 7180

<211> 518

<212> DNA

<213> Homo sapiens

<400> 7180

aaaaaatggt ttggctttta agagagtttg atgtattttg agccccaata atagatcagg 60  
cagctgagag cagcctgcct ggtcctccgg gcagtggagg gaaggaggat gaaagtaatg 120  
aagcagattc ttgtagctga ttgctaggac ttgggaggag agctgagagc atgtcctatg 180  
ggaagaaagg aggggaagagc cttctgccag agtgtctcag tcagcaggag ccgaggagca 240  
tggcagccca ggctaaaggg tggcactctc tccaacacag ggcaatatga ggtctgtaga 300  
agaggctagg aggaaaccgc acatgaggaa aaacaagcga ctcatggcat gttatagcga 360  
ctccaccaag gcattttatt ctctacactc accatgaaga caatggaagg ntatagaatg 420  
tgggatgggg aagccggaag tcataattca tttaaaatcc cttctgggn ttaatatgtg 480  
ganggttcaa tggnccggan aagaaccntt tnaaaanc 518

<210> 7181

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7181

aatagagaca cggctctatgt tgcccatgct ggtctcaaac tcctgggctc aagcaatcct 60  
cctgcttcag tctcctaaag tgagccacca tgcctggccg gaactcttgt tgcaagaaca 120  
ataagcatcc actactgcag ctgaaaacat ccctgacaga cccatctccc tggatattcag 180  
ggagggatgg actaggcaat gattcagaag tcatactgaa aagctgccct tttcctactg 240

gtgcccctgc agtctgagcc caagcagaca catacttcag aggtgctaca tttgtgctac 300  
 aaagcacaga tccttcttga cctggaggcc agccttaccc actgagacca ggttcctgna 360  
 gttctccagc atcacttccc tgtacaggga cttctggttg aggnccaaca gtccccactn 420  
 tttcngggtn aaaccaggga tacatttttc aaaggcaatg ggtncataaaa atcccnattn 480  
 ttgttaa 487

<210> 7182

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7182

gagacacaat ctcattctgt tgcccaggct ggagtgtgtt ggtgtgatct cggtttactg 60  
 caacctccgc ctcctgggtt cacgcgattt tcctgcctca gcctcccag tagctaggat 120  
 tagaggcgca caccaccatg cctggctaata ttttgggtga ttttagtat agacagggtt 180  
 tcactatgtt ggccagactg gtctcgaact cctgacctca tgatccacct gcctcacct 240  
 cccaaagtgc tgggattaca ggcgtgagcc accgcgcctg gcacccatag gcaactttct 300  
 tagtctgttt gtgctgctat aacaaaatac ctgatttata aagaacagaa atgtatcaca 360  
 gttctgtagt ttatgaagtc caagatcaag gcacatcag gttcaaatgt cctcttccaa 420  
 ggggtgcctt gatgctgcat ccttcanaaa ggacntgtgc ctcacgtgcc aaaaggagg 480  
 acaaggaaan ctgcattgag ccnctttatg aaaggtggan ncnctttcca aa 532

<210> 7183

<211> 506

<212> DNA

<213> Homo sapiens

<400> 7183

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ttgcctaggc tggaatgcaa tggcatgata tgcactcact gcaacctcca cctcctgggt 120  
 tcaagagatt ctctgcctc agcctcccaa gtagttggga ttacaggcgt ttgccacat 180  
 gcctggctaa tttttgtatt tttagcagag acagggtttc accatgttgg caggctggtc 240  
 tcgaactcct ggccctcagg gatctgccc cctcagcctc ccagagtgtt gggattacat 300  
 gcgtgagcca ccacacctgg tctctcttct ctttagaatg ggcttcctaa cagatgacat 360  
 tttatttatt tctcttggct gctttgctac tctcccacta gaaatcaact gcatgaaggc 420  
 ccgggctttn ggttgctttg gttggnntaa ctncagtgcc tggaactgnc cctgggacat 480  
 agcangnncc atataagatt gctgag 506

<210> 7184

<211> 183

<212> DNA

<213> Homo sapiens

<400> 7184

cttttttttag aaaaataggc cgggtgcagt gactcacacc tgaaatccca gactagggag 60  
 gccaaaggcca gtggatcact tgaagtcagg agttcaagac cagcctgacc tcangngatc 120  
 tgcccgctt ggcttnccaa ngctctggga ttacnecnt ganccactgc acctggccta 180  
 tcc 183

<210> 7185

<211> 430

<212> DNA

<213> Homo sapiens

<400> 7185

ganatggagt ctggctctgt cgcccaggct agagnagac catntcaaca acaacaagaa 60  
 aagaaggngg ccatcatntg caagccaagg agagagaana aaccaaacct gctgacacat 120  
 tgatcttggga cttctagtct ctanaattgn gagaaaagag atttctgttg tttaccaccc 180

attctggggt attttgttgn ggaaacccta gtaaacatac tatattaaaa ttcttcctta 240  
 tgtccatag aaatactccc aactttaatt tattcataat ccactttctt tagtttacag 300  
 agtcctcata aaacacaatc tatacttgaa tgcagtgagt acactgcact ttgacctttt 360  
 tttttttttt ttnttttttt tttttttttt tganatggan tctgggcttt gtcncccagg 420  
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<210> 7186

<211> 498

<212> DNA

<213> Homo sapiens

<400> 7186

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 aggtccgcgc caccacgccc ggctaatttc tgnattttta gtacatcctg ttgnacatcc 180  
 tgttggccag natggtctcg atctnttgac ctcngatct gcctgcctgg gcctcctaaa 240  
 gcgttgggat tacaggcatg agccaccgca cctggccana aaatattttt atataangga 300  
 accagaaaaga catgccattt tcaaaaactgg canaattaaa tcctgaattt tcaaaatatt 360  
 tcaaaaatgg ttttaaaaga gccactcact gggtttctc cngacattca tttantaagn 420  
 gggcctatag catcattcca tttnttgaa acagtgcntt ttaggaatca aactggctta 480  
 ntaaaggggg gngccccc 498

<210> 7187

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7187

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gccactgtcc atcagctcag taaatgtacc agcttctaaa gccatgatgc cataggtcca 180  
tttgttgatg aaattcctac ccactgtcct cgggcattctg actctggtct ctgcactggc 240  
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tggccctgga gccaggtgct tttctccatg aaaacttcca ccttggttagc tcagccgaca 360  
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caccaggtgg ccaaacagaa gagaaggcag aggccaccca agagctgatg ctgngcaatc 480  
cttgggggac atccttcggc ttactggggg acnaanccag gttttggagn cttttccctg 540  
aa 542

<210> 7188

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7188

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ggcacgcgcc actggccaag atggtctcga tctcttgacc ttgtgatcca cccgcctcgg 180  
cctcccaaaa tgctgggact acaggcatga gccaccgcgc ccagccccag actttttttt 240  
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actgcaacct ccacctcctg ggttcaagct attctcctgc ctcagcctcc caagtagctg 360  
ggactacagg catgtgccac catgccaag ctaatttttt tggctttttt tttttcnttt 420  
tggagaacng gaatttaaac tgttgccaaa atggatgcaa tgggcnactg ggctactaca 480  
actcgcttct gggttaagca ttttctggct aagcttccaa ggactgggat acggggcctg 540  
cacc 544

<210> 7189

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7189

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aagacggagt ctcgctctgt caccacgct ggagtgcagt ggcaagacct cggctcactg   60
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tacaggcgcc cgccaccatg cccagctaat tttttgtatt tttagtagag acagggtttc  180
accatgttgg tcaggctggt ctccatctcc tgacctctg atccaccac cttggcctcc  240
caaagtgtg ggattacagg cgtgagccac cagcccaga tatcccagc ttcttttaat  300
gccatcttac ctctcagcc tctcaaacc aaagccaacg tcttctcatt ttggtgctgt  360
cctcgtttgc ggaataacta atgacattta aaatcaaacg gtgatctgcc ttcctagaaa  420
accagcccc cacctagaga acacccttc cagcgtctg gggcccctnt ggnacctgna  480
gtctgatcca cgangaccgc gaagttgatg aatccggcca aancgagaga acatggcttn  540
tacgnccttt                                     550

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<210> 7190

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7190

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acaatttctc atatggcaag atctgggagg gctttgtttc accttttttt tgaaggcagc   60
attactagaa ataagatcat ggttcacaaa gcttttgtcc tttagtact ttgaatgtat  120
catcccactg cttcatccc ctccattgtt tctgatgaga agtttgctgt taatctattg  180
gggtaccctt gtggcacatt gtttttctct tacagctttc aacatttcct ttcactttta  240
acatttttac tatgacgtgt ctgtttgtgg atatgtttgc attcattctg ttcacagttt  300
gttgagatgc ttgtgagtat agattaatgt ttgttcaata aattgtggat gtttttagcc  360
attatttctt tgaatatatt tgtgcttctc tttctctca cttatggta ttctcattac  420
atgtacactg gtgcactgaa aggcgtcctg aatttctctg aggcctctgg tataattctt  480

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tggtctaatt tcttaatcta attcttcaat ttcnaatct aatttctaatt gggaanatgg 540  
aattganggt gcataattct atggactatt tgna 574

<210> 7191

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7191

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ataaaacaaa aacctccttt tgcattccat agaaattgac agaaaagcac ctggccggaa 120  
gagcggaaacg gtcggcggca cccccccag cccccacccc gcggcctccg tgggacggga 180  
gagtctgcgc aggacggcac cgagggccac ctctgctccc agagctgtcc cctgtcccca 240  
cgacccccaa cccaagcaa ctcccaaaca cacacggaat aagatttcca gtttttcttc 300  
tctctttcac acaccacagt tagttcataa aatttttttg ttttacattt tttacaccaa 360  
tgtaccaaaa aggtgggagg gaaggaggc tggcagacag tggattttat gcctataaat 420  
ggggggacag ggaggaggac ggggggcccg ggtgaacaaa aaccacacng tctctatgga 480  
aatgtggaga gaactgaaan cnaagtgtng canaancang ct 522

<210> 7192

<211> 578

<212> DNA

<213> Homo sapiens

<400> 7192

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caacctctgc ctcccagggt caagcaattc cccttctca gcctcccaag tagctgggat 120  
tacagccgcc tgccatcatg cctggctaatt ttttgtattt ttagtagaga tggggtttca 180  
ccatgttgtc caggtttaatt tcgaactcct ggcctcaagg gatccgcca cctcgccctc 240

ccaaactgct aggatcacag gcatgaatca ccgcgcccgg accagtgtaa gcattttggtg 300  
 tgctgccaat caaggactta tttacctttg catccctgct ctgaggccag cacaatcctg 360  
 tcacacagta ggtacacaaat gcacatttgt ctagcaaaaa gtactggaaa gcagaagggt 420  
 ggatagagct ctgcctgggt tcaaattccag gctntggcat ttactaactg aaancctttg 480  
 gcaagttggt taacctctct gggcctgttn ctgactggng aaacagacng aancctttctt 540  
 atgaggtgga ttaaagaccc aatggaatta atatnccn 578

<210> 7193

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7193

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 atgttgccca gtctggtttc aagctcctgg cctcaaatga tcctcctgtc tcagcctccc 120  
 aaagtactca tattacaggc atgagccacc atgccctgct gtaaattggt ttgaacagag 180  
 ggtgaaatag gcttagggag gaacatactg agtctgaaat agaacatcca ggtggaggat 240  
 cagccatcag tgagagctgc acaaagggtca tgattagagc attgactcag cttagagaag 300  
 ggagtcagag ttcagacagc cacaggcaat tcctagagta agtgaagaga acaattttga 360  
 aaggcacctg ctgaagaaaa gcaattattc attcctaaaa ggcactgccg atccttcaca 420  
 ttgaacatca gaaaagggtca cttctgaaac aaggcttctg tgggacaaag aaaaactcta 480  
 ttctggtcct aaaaatctca aaacccgacc cttttatggg aaggttcatt taaggnccta 540  
 nttagaaaac cgttcncnga attggaac 568

<210> 7194

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7194

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gagacggagt ttcactcctc ttgcccaggc tggagtgcaa tggcgtgata tgggtcact   60
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ctacgggcgc gtgccaccac acccagctaa tttcgtatit gtagtagaga tgggattitit  180
ccatgttggt caggctgggt tcgaactccc gacctcaggt gatctgcccg ccttggcctc  240
ccaaagtgtt gggattacag gcgtgagcca ctgcacccag cccatatatt catgttttag  300
ctcatgaata caaccaatit ctctgaagat gatggattct attaaaaaca ggtgtttgtc  360
acatgactgg ggattgtagt ttactgaaac acaaccaaatt taggtagaaa tcatgatcta  420
ataaagttag catgttaaatt atgnatctnc aattccagga tttccatgag acttgnagaa  480
cttctttitit tttttititaa gaaacagcan gacattaaac ctttactggg ttttncata  540
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<210> 7195

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7195

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aatttcatct gtttctctit atattititaa tattggatac aaacaaatta acaattacag   60
actatcgcca acttataatg cttaaactit atgatcaata gtaataaatt acacgagata  120
ttcacactit attataaaatt agggtttgtg taagatgatt tttcccaact gtaggttaac  180
atcagtgttc tgagcacatt taaggtaggc ttggctaagc tatgatattc agtaggggat  240
gtgtattitca tgcattitit acttacaata ttttcaactt atggtggatt tattgggaca  300
taaaccatc ctaagtcaag gagcatctgt atacatgaag ctaacattct attcctatca  360
gacagtgttg ctctaaagta tgtcactgca aaacttaagc cttcaagtaa aatgatcaga  420
tttgcatctt agaaagatta tatgccctgg tgagactggg ttaaagattg aaagccgatg  480
naagctattn cagtigtctg ggcaaacaat ggttagggnc nggtitnaaa catgtgcctt  540
aaanggt                                           547

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<210> 7196

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7196

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gccattactt ttaatgactg ctgcaccaac ctattagaat catttatatt tattcatcca 60
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taactccacc tccccacaca ttgtcaataa tcatttacca actgactgat agagaagtgc 180
cttccctggt gctgggatga ggcacatgac acgccccitt gaaagtcact gtcattggaca 240
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aggcangcct ggcaatgcc aacatttcan gcttctgggt gngcccgtgn ctgngaaaat 480
cttgggtggca gaagcaagta cccagcncaa gcaacacnt aagccatcac cttcttcggc 540
ctggcaagga tgcggt 556
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<210> 7197

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7197

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gaaactagga attgttacta ggagcacctg atatataaaa atgaaataaa tggcacccag 120
ctctcctagc acaaacccta cctctcaggg gaggccagca gtctcttctt cctgataaca 180
tttttccatt tattctaggt cataggccct acatagctat gagagggaga ccaggagact 240
gaatgtgcct ggcaatagct atcttccata ggaatggctc attaagaata tcatttcatg 300
tcagatgggt agactgtatc gaataccatg agtggcaagg gttctgcttg gcaaggctct 360
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gtttcaagga ctttcatgac cttatgtgat ccagtacatg cattccccaa ttgcaatcac 420  
 tgcccactat cctcatcatc cagcttcaat tgagatgagg cataaaggta agtctgngga 480  
 cccttctagc agaaaaaaat gccagangga atcacatgtg angnttttaa ggctttactc 540  
 tggctgaact ggggtaaacc ta 562

<210> 7198

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7198

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 ctctaattt gcanacatgc ttgaacactt aatggaaggt gaagtttatt ttgnggcccc 180  
 tcagttctnt ttcaagtcct ctagtanaaa gtctccatgg ngtgatcttc tgactgggta 240  
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 ctgcatttgt gaggggcccga caccaacaca attaaaccag tgcaccattc agggccatag 360  
 ggtaggaggc accagggttc aagaaggaaac ttgcgtgttg taggatctga gttggggcgg 420  
 ctctattccg actatccatc gatctccttt cctcatcctc aaaagcttcc tcccggcatt 480  
 ggcgngggca tcctgggact ggtgggacct cggatcccaa ggtcgtcatg gtgntctccg 540  
 cctcggggaa c 551

<210> 7199

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7199

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tcactgtaac ctccacctcc cgggttcaaa cacttctcct gcctcagcct cccgagtagc 120  
 tggggttaca gctgcgtgcc accatgcccga gctaattttt gtatttttag tagagacggg 180  
 gtttcgcat gttggccagg ctgatcttga actcccgacc tcaagtgatc agcctgcctt 240  
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 ttttaaagc cctangtggc ctttccgatg ggtattacag gngtaaaggg aaatgngatt 480  
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 ccaagttnaa taatctaata gc 562

<210> 7200

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7200

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 ttactttttt gaaaaaatca agttgtaaac ttttatgaca aattaaaaat gaagttctta 180  
 aaaatctcaa cttgagcaga tatgaaataa ttttaaacc tttaaaggcg tattgagaaa 240  
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 cgaaaagcaa gcacttangg tcttcagctc caattttcgt tcatttctta tcgctgggaat 420  
 tcctagtctt ggttngatga ctaaaccggg tgatggtaga aggtaagcag cccgcanttg 480  
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<210> 7201

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7201

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atacatgtat attatttatt gttgattctg tacaccaa at ggattacaag cagcatccag   60
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ctagaaatct gtaa atgcat cgccaagcac tggggctgat ttgcagtaat tctctaagca  180
aggcaacat gatctagctt tgaaggcagc atgaaggcag cgggttggtg agaacaatct  240
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cccaccctct ctgaaccaca gccatggctt ccttcccaag gccactgctg gcttcccaac  360
aacgcagatt cagttctgac tgtgggatct gggggctgaa tctttgaatg gtttatggct  420
aaaagctagg atacatctaa catctggcga caactntggg tcccgagnta tctctaactg  480
gctgntcttt ggaaactttc tgagttggaa gttctttcca atagctttac atagcatctg  540
aaaggttggt gaaattgggt cc                                           562

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<210> 7202

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7202

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ggctttttat ataaagaatt tttattttct tttgtttaaa acacccattt attctctctc   60
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gccgaggtta gcgatcatg aggtcaggag atggagacca tcctggctaa cacagtga aa  180
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ccagctactt gggaggctga ggcaggagaa tggcatgaac ctgggaggca gagcttgcag  300
tgagctgaga ttgcgccact gcactccagc ctgggcaaca gagcgagact ccgtctcaaa  360
aaaagaaaaa aagaaaagaa aaagatatg gcagaattca actgtatgca atggaaggac  420
ggaagtcctt ggttcctttg cttggctatt gnttgggggc attcccagct actagagtct  480

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gnctgcatag aaatggtagg tagaagtctt ctaacacttc tctctgntct gntctccttt 540  
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<210> 7203

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7203

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cactctgtcc cgcaggctgg agtgcagcag tgccatcata actcactgca gcctcaaact 180  
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atgatgatca ccattttaca gataaggaaa caaatcaga ganggagtgt gactggccaa 480  
ggacacaggc cagacgtggc taagttggga ttgggctcaa ccaggctgga ttcanggnac 540  
aacantcaa atggnggnng gttnt 565

<210> 7204

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7204

ggagtgagaa tcctttaata actatattta ttccagaga acaataaata cagaaattgc 60  
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ttaacaggca aacatgttat ttgtgtgtg ttgtttggaa attagcattg ggaaaagcta 180

tataacagag gaaattccaa gtaaaatcaa acagtgttca ctcttaactc taaacacagt 240  
gctcccacta ctggttctgc attgaggcgg aggggaaggc cagaggcagg cttagcttcg 300  
ggcggcagcg gtctggggct gctcggactg gagctgcttg ccaaggtatt cccagttgtg 360  
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catgtggtca tgaccagctg cttnccaccg agctgctcga tgaccccgtt tgnctcngg 480  
ataatgccgc accatattct tccaacatcg tgagccagca acnggttaaa acttggggac 540  
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<210> 7205

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7205

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cagtaatttg catgtgtgat gccgctgctg ctgctgttct tggaagcaca ccttgagaac 180  
cactgcctgg ggaacagctt agctgctatg agaatctgat tctgtgttca tattccgtat 240  
cacagatagc tcttggtttt tcaattgtgg tttctttttt taatgtctta ctaaggggga 300  
aaaaaaggaa cgccacttta tataaacctg accttttggg aagcctgggt agtaacttcc 360  
catgtggagt aaattaatct ctttcatgca tgcctcgtgc tctggaaaaa gtaaaacaga 420  
ttngttaga catttaccaa gtactttttc tgggtgnggt cactgcccta acctatcaaa 480  
actgggttct acccttaana acttacatgg antaaggngg catccaacaa accagacntg 540  
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<210> 7206

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7206

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atgctgaaaa tattccaagg nttattgaaa aaagaaaatt aatctacaga ttcanaaaagt   60
tcagtgagcc ccagccaaga tgaatgcaaa gaaagtccta tttaggcnca tnatgggcag  120
actgctgaaa atcaaagaga gagaatgtgg aaagcagctg gggtgagtgg ggtgggagga  180
gacaattata cataggaaaa caacgctnca aaagactgca gacttntcat agaataaatg  240
caagtcagca aacaatggaa cggcntcgat ggatctgcca gtgtcagtc canagcggac  300
cccaaaagtg ttcaggcgtg gactngcact gtctgacatt tccatcgatg gcctgcatna  360
ngaattggcg gtgaacatcc tcttncatnt ncactggggg tggaagggtt gaacctgccc  420
ccccanaagg aagcccgttn ccgaatcaaa tggcttaagc ttgggctntt gtggngcctt  480

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<210> 7207

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7207

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cttttccatt cagaaataat acttttgggt gacttgaatg tttattggct aggactctaa   60
ttgaggaaaa aaatacaaaa aaaggatgca aaatatataat tcctatttag aaggattttt  120
ttttctagat ttcttgctac tgctttactt tcttggtgct gaaagaaaat tattttgtct  180
tcccgtgttc tatttaaagt ggagaataaa aatgccaaat taatgctatg tattaatgaa  240
gcagagataa atcctgtttg gtaagaaaac ctaaagggtc aattccaacc cagctatcaa  300
atctaaggct gatttttatt ggtttatatt tgccttaaat gtattcaagc aatatttggt  360
ctaaaaaaaa tttgtaggga ggtagatata tttgtgaaca ggttgagctc tccttacaac  420
gaacagcagc ttctatcttt caatgcaatc tggcagaaag actagctcat cacaagcag  480
aaaaggaatt cattanttaa aggtgaagga ntggccccan cnttagccg aaaaaattg  540
gctggcncng aaagaccggt                                     560

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<210> 7208

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7208

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gagacacagt ttcactctgc tgcccagtct ggagtgcagc gggcaccatc tcagctcact   60
gcaacctcca cctcctgggt caagtgattc tggcgcctca gcctccagag taggaactac  120
aggcatgtgc caccatgccc ggcttatatt ttgtatattt agcagagacg gggtttcacc  180
atcttggcca ggctgggtct gaactcctga cctcagggtga tccaccacc tcagcctccc  240
aaagtattga gattgcaggc gtgagccacc gcgcccggcc aaaataataa tatgtttttt  300
atcctgacaa acatgtacaa tttagtgaac cactttggaa ctagtaccgt gcactttacg  360
tatacttttag attctgaata tacgaaaatc ctaatatcc agaggagtaa cactggctag  420
aaagttgcac aatgaaaatt ctatgncatt taacaagttt ttggtatttt taagaacccc  480
ccaaggttnt agaagccngg tnttgatagc tagggccctg gccttaaggc ccnaggtcta  540
natagncaag gaaaaatn                                     558
    
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<210> 7209

<211> 154

<212> DNA

<213> Homo sapiens

<400> 7209

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cttttgagat ggagtcttgc tctgcttccc aggctggggt gcagtggcgt gatctcggct   60
cactgcaata tccaactccc ggattcaagt gattatcttg acttaacctt ctgagtagct  120
gggncaanag antcgcgcca acccnntagc cnna                                     154
    
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<210> 7210

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7210

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aagccttata tttttaataa aaaataaaca gtctctgaca agcagttttc tgaatcccaa 60
aacaaaggaa aagggagggg gagaggtgaa ggggtcagct agggtaaagg agtgaagaag 120
gtcagatta cccctgccat tctgccaggg cagaagggat cagagtctgc cccaactgaa 180
gcaagaagaa aggtggtcag acttcaggga agacttcctg ggagtcagcg gtgcacgact 240
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tccaaagcgg cagcttcaga gtggagtttc caggagtggc atgttagcat atgattgttt 360
agatgtttgg tgttcattac cataggggtc ctgggacagg caggtttttt agggctctctt 420
gaaacactgn gtttctggan ggtccctgga atggncagaa cttgaaggat cctcttcagg 480
gtcttcaata tcagtgtagg aaccagtctt gggggtagcc cccaccttgt tnaaaagctc 540
atggcttgnn aaaaaggagg nccctnn 567

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<210> 7211

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7211

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canatggagt atcactctgt cgcccaggct ggagtgcact ggtgcaatct tggtcactg 60
caacctccgc cttctgggtt caagtattc tctgcctca gcctccacag tanatgggac 120
tactggcatg caccaccatg cctggctgat tttttttttt ttaagtanan aggggggttc 180
accatgttgg ccaggctggt ctggaactcc caacctcagg ngatccacct gccttggcct 240
cccaaaatgc tgggattaca ggcatgagcc acaccagcc aatggaanag gcnccttttta 300
anaatggaaa aaagtgcctg acatgacttt cacttttcca taaagagtgg acgttttaac 360
taaaggcaac aagaaacnta acatacagga gagaaaaact catnccaaag ggagagagaa 420
aaagaataaa gggggatcct gaaaaantgc tacttttaaa ggcatntgcn ccctgataaa 480
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<210> 7212

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7212

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gctctgtcac caggctggag tgcagtgggtg cgatctcggc tcactgcagt ctccgcctcg   60
cgggttcagg caattctgcc tcacccttct gagtagctgg gactacaggc atgccccacc  120
atgcccagct aatTTTTgta ttttagtag agacgggggtt tcaccatgtt ggccaggatg  180
gtctcgatct ctggaccttg tgatccgcct gcctcggcct cccaaagtgc tgggattaca  240
ggcgtgagcc accacgcca gccaggcact tcaaattttt tgtctctgtg tgtctgcgaa  300
taactgagaa agtgccacag tattgatttg ggggttaca acatatttta gtgagtaggc  360
aaattctcaa atacaaaatc tatgaataag gatcaagtat acgttcattt ggcatTTTaa  420
gtaccaagn tccctcatta tctgaggagg gcancatag aaacttaatt agacttcttc  480
ttaacattaa aggaattatt tgaaacagga tgntgttgcc cagctggagt atagnngccc  540
gactcggtta atg                                                    553

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<210> 7213

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7213

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gcgggaagga ggtaggagtc aagtccaata aataagtgtg aaaatattca gtacatggca   60
tggttattta atacaacaga atttgctctg agttggaagg acaggggttt cagcctatgt  120
gtttatgata caacaaaggg acttttaggc tgataaagtt atggaacatg agacttcagt  180
cttcttatta aatggccaaa tggaccaagt gtttgcata aagctaactt ttcctttcat  240
gaaaaggaaa ttaaaccac ttgctcccga atgggatgat tttcaggagt cctgagccat  300

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gttctggcag aaagctgggg tctgtgacca taaagcagga ctgctgtcat ccaggcagat 360  
aattattatc aggaacgcct aacattgctt ctttctgcag tttcatgtgc cttgggtgaag 420  
atgtaagctt tctgaagact accttgcac agnctttgng ggctactcca tataatgagaa 480  
atggaanttt aaactagctt taggaanaan atgaaccttt gaaancctgn tt 532

<210> 7214

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7214

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acctccacct cctgagttca agcaattctc ccgcctcagc ctcccagta gctgggtcca 120  
caggcacgtg ccaccaggcc cagccaattt ttgcattctt aatagagacg gggtttcacc 180  
atgttgggtca ggctgatctt gaactcctga cctcagggtga tccacttgct tggcctccc 240  
aaagtcctgg gggttacaggc gtgagctacc gtgcctggcc ttaagtatgt gaagtatctt 300  
gcacagtgtc tggcacatat gaggttaaca atatgaccaa gtttgccccg agaattagtg 360  
acagggccag gactagagcc caggctctctg gactctatgt cccagacatg attctttgat 420  
ctcttgggtg tagcagggtt gcaactagtg tccaaactaa tgcttgggtga tgaggacagt 480  
ggcttgggtg aagtccatan gggaactggc angcacaacc ttncctnagg atcttggntg 540  
gcaaagnttg cttttactga ggccng 566

<210> 7215

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7215

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actgtagcct tggcctccca ggctcaagtg atcctcctgc ctcagcctcc caagtgactg 120  
 ggattacagg catgagccac catgcctggc taatTTTTgt atttttcgta gagacggggt 180  
 ctcacatgt tgcccaggct ggttttgaac tcctgggatc aagtgatccg ctcgcctcgc 240  
 ctcccaaagt gctgggatta caggagttag ccactgcgcc cacctctgct ttcattttac 300  
 ctcatgtgct ctacatagca atcagtataa tcccttaaaa atatagttct aacgtaggaa 360  
 cagaaaacca aacactgcat gttctcactt ataagtggga gctgaacgat aagaacacat 420  
 ggacacactg tcgggggaac agcacgaact ggggccctt ngggggtgca aggtggaaag 480  
 gaanggagaa catnaggaan aatagcttat ggatgctggg gtaanaccta ggngaccggg 540  
 ttanctg 547

<210> 7216

<211> 528

<212> DNA

<213> Homo sapiens

<400> 7216

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 gaaaactttg tatttgttaa ttgggataac ccaccattc aggcctcaat tccctttgga 180  
 cttgcacgcg cacttcctac acacagaagt ggcctgttat gcagcaataa tcatagttaa 240  
 aagcagcaat tccgtgaagg ctccacagag aaatcgcggt tgcatattca acaagtttcc 300  
 tcaaagtaag cgtctttcga ttaaatgaaa tcacaattcc agcttcttat ccacagaaaa 360  
 cagcattcac tatgtaactt actgcttttt ataagtgcac aatttctgnc acagttaccc 420  
 acatatttat accatttaac aatactaagg taaataatgg atttatgggt tggttcanga 480  
 accctggnga ccttgntggg cnnggnttta caagtttggg attttgng 528

<210> 7217

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7217

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ggagacaagc tctcggctctg tcgcctaggc tggagtgcag tgggtgtctaa gtgctttttt 60
gaagcaagag tttaatccct tattgctaaa ttgtagattt ttatttttat ttttggtggt 120
atatgtggac tctaaaaatt atatgttctc tcttttttca ggttttcttt gtggcctaag 180
ttatagttag tttttacaag ttaagaaaat aatatgaatt atttatttga aggggtgctgt 240
taaatatcca ttaatcattt ttgattcga ttttaattaa gcctctatat cttttattta 300
ctttttcatc tgcttgcttt attgaagtcc aagggtgggt gtgagtttat taagttactt 360
ttctccaacg ttttacacaa ttatatttgc acaaactttg ctctttaatc actgggccac 420
ccaagagtag cacananggt gctctttcaa ggctctcttg ggcagaagga aaatcttcca 480
ccccaataaa tcttgnttcc cgttgngggg gggggagctt atctgccaaa ggggggtggc 540
aattttttcc cccgnggg 558

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<210> 7218

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7218

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gagacggagt ctctctctgt caccagggt ggagtgcagt ggcacaatct cggctcactg 60
caacttctgc cccccaccg ccggattcaa gcgattctcc tgccctagcc tectaagtag 120
ctgggattat aggcgtgtac caccacacc agctaatttt tgtattttta gtagagatgg 180
gggtttcacc atgttggcca ggctggcttc gaactcctga cctcgtgatc tgcccacctg 240
gggtcccaa agtgctggga ttacaggcgt gagccaccgc gcccgccgc atgtataatt 300
tcttaaccaa actggaaaac agcactgaca ttattgggtg gtcattttt ttcattgtgc 360
actgatgaag tttgaatgtt ttgccctaac cccaccttcc ccatgagtcc tctggnnttg 420
ngtgattttg ctaacttggn gatttttagg aatgaatat tcaagtgata gtaacnctaa 480
tgggatgaac aattncaaa tttcanttct atccaaatat ttntttggaa naagggaccc 540

```

ttttt

545

<210> 7219

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7219

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acaaggaaat caaactgcag aaaaaaacag ttccacattt agttacattt tagttttggg 120
ttttccccag acattgcagg ccaaattaga gttaagatga ggaaatcctt tcagtcctca 180
cagaccagac ttggctttat aaaacataat caagtccac tatacacct aggtgttagg 240
aagcaactag agttttcaag gtagatctgg gcaacacgca gacacctcca tttctgaggc 300
tgaaggaaac atgcaccagt gctaactgcc acgcatatga aaaatgtgaa ctcctagcac 360
ggtgacagta gctgtatgct gaataccatt taatttaata agcatttggt tgttgaatac 420
cttatgcatt caaataacag agcacttctn atcaacaatg cttcagccta ccaggattct 480
gaaaaggagt cccaaatagc tcaattttac ctttggnant ttctgctnaa aaataaaagt 540
gaancncccc ctn 553
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<210> 7220

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7220

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gagacggagt ctcgctctgt caccagggt ggagtgcagt ggcgcgatct cggctcattg 60
caagctccgc ctccgggtt cagccattc tcctgcctca gcctccanag tagctgggac 120
tacaggcacc caccaccag cccggctaatt gttttgtatt tttagtanag atggggtatc 180
actgngttag ccaggatgat ctcgacctcc tgacctcgtg atccgcctgc ttcggcctcc 240
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caaagngctg ggattacagg cgtgagccac cgcgcccggc cctatTTTTT gaaatcatat 300  
 ccatcttaaa ctcattgaat attcaaataT gaggcttgga aaaccacag cacagctggg 360  
 gcatgaaaat gggcttgTta gacaagctga ttcaactagg ggggaaaaaa gaggagggaa 420  
 gaaagcggca atttatatgt gtgaaatncn caactgggaa tcaagnttan ctgtttggaa 480  
 atnttcagc tcattgggag tntttgaant ccagaaaact tgggctttta aagatggggg 540  
 ga 542

<210> 7221

<211> 444

<212> DNA

<213> Homo sapiens

<400> 7221

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 gggaccacag gcgcgcacca ccatgtccag ctatTTTTTT gnatttttag tanagacgga 180  
 gggaaggTTT caccngtTta gccaggatgg nctcgatctc ctgacctcgn ganccgcctg 240  
 ccttggcctc ccaaagtgtg gggaccacag gngtgagcca ccacgcccag cctaaatgtg 300  
 actcaatgnt aaattagTTT gcatttttagg ctgggtgcaa tggcttatgc ctgtaatccc 360  
 ancactgtgg gaaggcccan gaaagcggga tcacttgagc ccagganttn aanaccaacc 420  
 tgggcaacct angggaaact tngc 444

<210> 7222

<211> 549

<212> DNA

<213> Homo sapiens

<400> 7222

gaaatggaat ctcgctctgt caccaggtgT gaagtgcagt gtcacattct gactctactt 60

agcctctgtt ctcaccagac tctctgattt catgttggtg gagaattctg gatgaatatt 120  
 tcagttcctg attattgcct gcattgtcag actgattttt ttctacaagt agggtttgca 180  
 gaaactggat ggtcatgatt aaagcccatg aatggaaagt aacaatgaca taaaaagctt 240  
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 agtatcacat acattctgat aaagaacatg taagatctaa ccactatcag tatttaggga 360  
 aagaacatca gattactgaa acaagacagc cagtgccttg ttaaagcaga tatgaaagca 420  
 atgtctgagc acttagaggc aaacaataga atccagtttc atcatattaa ttaagccaaa 480  
 tcctatttat taagagatat taaggggtct canaatcttc aggagggcc anggtaagtt 540  
 acctgcca 549

<210> 7223

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7223

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 caggctggag tgcagnggca tgatctcagc tcaactgcaac ttccgcctcc tgggttcaag 120  
 ngattctcct acctcagcct cccgaatagc tgggcttaca ggcatgcacc accatgcccg 180  
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 ngtgtacttt gnctaaatct ttccccacat tcaagacatt tgtaaggctt ttccccagtg 420  
 ngaattctct ggggnntaat gagggtttgc actctgattg aaacgtttcc cacaacngg 480  
 acatcctaag ggnttttccc cangggggat ttngggggg ttaaaaaggc caaccc 536

<210> 7224

<211> 131

<212> DNA

<213> Homo sapiens

<400> 7224

gagatggagt ctcactctgt caccaggt ggggtgcagt ggtgcgatct cagctcactg 60  
 caagctctgc ctcctgggtt tatgccattc tcctgtttca gcttcccag tagctgagnc 120  
 nnnagantnn c 131

<210> 7225

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7225

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 ttacaggcat gtgccgccac gtccggctaa cttttgtatt ttagtagag atggggtttc 180  
 tccatgttgg tcaggctggt catgaactct tgacctcagg tgaaccgcct gccttggcct 240  
 cccaaagtgc tgggattaca ggcgggagcc actgcgcctg gccagttacc tacttcttag 300  
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 gtcaatggcc ttccttcct cctccaggat ttactaacat acatgtttaa tggggttaacc 480  
 nttcttaagg ttccatggt aaaccttttt ctaggaagga aaactggagt taacattgaa 540  
 aactggggnn cn 552

<210> 7226

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7226

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acaggcacct gccaccacag cgggctaatt tttctatitt ttgtagagat ggagtttcac	180
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caaagtgctg ggattacaag tgtaagccac tgctccacat ttaactccaa tgatgctgag	300
cacaaccag cactctaatt acaaaaattt gttttgttat aactgaacat tccctttcta	360
ttttagactt tcttggtga acatctctct cccccagccc tattcatttt catcaccatc	420
agatntaaga aaacncgaga tcttataaag ncaattttta aaaccaggac catggttgn	480
aattcangga aatgngaatt tggaatccct atactcaggc tngggcaatc aancganttc	540
tgggtac	547

<210> 7227

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7227

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acaaccgccg cctccctggt tcaagcaatt ctctgcctc agcctcctga gtagctggga	120
ttataggcat gtgccaccac accagctaa ttttgtatit ttagtagaga tggggtttct	180
ccatgtcggt caggctggtc tttactccc aacctcaggg gatccgccca cttcggcctc	240
tcaaagtgct gggattccag gcgtgagcca ccgcgcccg ccgggaaatc caattttacg	300
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tacaccagat gcctgaaagg gtgacgcca ggccccctnt gcttttgga cttgacaagg	420
tccaatggca cctgcaaacc tgagtggcct ngcctggggg gaatttgctg aactgaagg	480
gggaatggct anaataactg ntttactgat gggactccgg cttcctttan gggacatccc	540
caactgaatt tgg	553

<210> 7228

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7228

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gagcatgttc aaagacagaa gtgtaggcct gtgggctttg gcactcaagt ctgagtatgg 60
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ggaaaatctt ctagaaggta gagttcatga aatttccaaa tatctcaatg ttacaaaaac 180
tcaaaatggg ggccatagtc ataaagtatg gcctccagtg gatgagtgga cgcgtggagt 240
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ccatcaagct cagctaattt tgnattttta tagagatgct gtttcacat gttggccagc 480
taaaaatncc aaaaattaac tgggcatggg ggtgcaccct ggaatcttng gcccctggga 540
agcttaaccc ggaaattctt tgancccgga 570

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<210> 7229

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7229

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gtgcatcaga ctttaattct tgcaatggaa actgntcttt cagatttcct tttagatcag 60
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cttctgaaca tcgttttttt gctaggtttt catttttttc ttccatttta aaatctgcca 180
gaattgtttg gcttgatata gattctttta actttacttg tattgattct tttaatatag 240
tctgtctatc tacattttct ttcatatttg attcctcaac tagccaaagg agaacatctt 300
cctgcttctt tgaattttca tccactagat ttttggctat atcaccetta tcatttgaaa 360

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tatcttcaag acttaaagt ttgttattat atccgctctt cttaaagca ctacttatta 420  
 ttagctgggt gcttgcactt tctcttaata ttatcttttc ctgcttatt agttggctct 480  
 ctttcctggt tccaaanac cttttttctt caaatccttt nctctccttt tecttncnct 540  
 tcctttngct ttttccccct cttaaacc 569

<210> 7230

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7230

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 gcagcctccg cctcctgggt tcaagcaatt ctctgactc agcctccca gtagctggga 120  
 ttacaggcgc cgcaccat gccagctaa ttctttgtat ttttagtaga gacagggttt 180  
 caccatgttg gtcagactag tctcaaactc ctgacttcag gtgatccacc cgccctggcc 240  
 tcccaaagt ctgggattac aggcatgagc caccacgccc ggccatttt agccattttt 300  
 aagtgcacat tcagtagtgc taggtatatt cgcattgttg tgaaaagat ctcccaatgn 360  
 tttcatctgg caaaacaaac tctgtacca ttagacagct cccatttctg ctttcccaca 420  
 agcaaccacc attctactgg ttctatttat ggaccccata ttagtagaat catatagnat 480  
 ttttcnttg gaactgggct tatttcactt aacataangg tcttaanggt catctatgnt 540  
 ggggcatatn ggangaattc cttcctttt aaa 573

<210> 7231

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7231

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ttatcaagtt aattgtcaca atcccaggtg tgggtgcagtg ggctggggta aaacattttg 120  
 ctgtatcttt catgatgttc ctgatttctc tctttttttt ttttcttttt gagacagggt 180  
 ctcaactctgt tgcccaggct ggagtgcagt ggtacgatct cagctcgctg caaccctgc 240  
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 tgtgattaca agcgtgttcc tgggtctctt gnatctgcga tataactggg aactctgcct 480  
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<210> 7232

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7232

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 cctccanagt agctgggacc acaggcatgg gccaacacac ctggctattt tttttttttt 180  
 tttttttttt ttttgtaaan atgggggtctn tntgttacc aggcctcctaa cncattttta 240  
 aaaagataac aatntttgac aatatatcat taactgccac atgaaaggcc ttgataaatg 300  
 ctatggtcan aaggaaaaga cncatttttag ctanaatgat cagaaaaatca nagccaanat 360  
 gggcatgggg atanagnggg aatgttagct atgccagtaa taagaaagaa tatntgcata 420  
 aactggaaat aggaaaggga ggagaaagg gcaggataaa aggctggcaa gcaaaggnaa 480  
 attccaagga tagggattag gctaattctca gaaaaacctt tgaagaaaat tгнаaccctt 540  
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<210> 7233

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7233

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tagctgggat tacaggtgcc caccaccacg ctaggcaaat tttgtatttt tagtagagat 180
ggggtttcac catgttgcc aggctggtct caaactcctg acctcaggtg atcctcttgg 240
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tgcaaaagct ttcttctgac attaactctc agttccgtaa ctgcatgtta agcatacccc 480
tacctgggaa atatctcttc tgggggaaaa tccatngtga cagcattaga accccgaccg 540
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<210> 7234

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7234

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tacaggcacc cgccaccaca cctggctaatt tttttttgca cttttagtag agacgggggt 180
tactngtt agccaggatg gtctcgatct cctgacctg tgatccacct gccttggcct 240
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ggctagccat tggctctttc acttctgcat ttccagcagt tagtttgggt tgacagcatc 360
cagcacagga taggtgctaa agggaaattt gncatggata ggaagggatg ctccaatttg 420
gcttctgaga accaggaatc agaaacangn gctcttcggt ggctngcta acataaattc 480

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aangaatggc agggattcac aagccnaatt gggtgggaca tccngccata tggcntggaa 540  
ttggttttta aaaaatatca 560

<210> 7235

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7235

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ctcctcttca tcttcactag aggaagctaa gtaggcttga aaatccatgt ccaaaagctc 180  
ttccttttta aacttcctgt tgagcattgt aattctttca tgatcagact catcccaagt 240  
gatttccacc gttgatgttc ccattgcagc agaagtgaag tattttgggt tatatgctgt 300  
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aaaccttaga tctatgaaag aacaactact ttcaaattcc aggccatcac aatcctcata 420  
aattttacta gctggttccg gagaatcaca gnctactact gnataatagt actttaagnc 480  
gtttgaattg gtaatctctc aatttttctc ttaacgtcca gtcttttctn ggcatntta 540  
ggaaacctaa aagctctact ggggcctg 568

<210> 7236

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7236

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gcagcagaca agctttgccg gccttgtgtt ctcatggaa atgcagcatc cgagccatcc 120  
tctcttcccc ccgcttgtgg tcagctctaa atagcacact cacagcgcgg ggggaaaata 180

tttttccctg tttcaagtgg gcagtggaag tagtgaaagc ctaagtaaac tctgaccatt 240  
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 atttcctgcc tgcagaaaag agaaatatta ggatagtgtt gtgtgcaaaa aaatgcaagc 360  
 ttgcaatgag agatgcagag tgtgaggag agaggcacga aggggggtgga gaaaaaagac 420  
 agagaatttg aggttgactc acggctttga agggaaaaca ggaagangaa gaaagtctgt 480  
 ctncatggg tcggcaaccc acactttaca cattttttcc atggggcttg ccncttgccg 540  
 cccatnaca cttgggcttg ccnc 564

<210> 7237

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7237

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 tgtgctgcca tcctcggcta atcttttggt ttctgtttcc tttttttttt tttttttttt 180  
 tttganatgg agttttgctc ttgttgccca ggctggagtg cagtggcgtg gtctcggctc 240  
 actgcaatct ccacctcctg ggttcaagcg attctcctgc cccagcctcc caagtagctg 300  
 ggattacagg tgcctgccac cagccccagc taattttttg natttttagt ananatgggt 360  
 ttcaccatct tggccaggct ggctcgactc ctgacctcat gatccgcccg cttggcctcc 420  
 aaagcgctgg ggattacagg tgtnaaccac tgngcccaac catttttgaa ttttttttga 480  
 nacagctntt ggtccgttgc ccaacttgaa tccanggggc aaatttaant tactggaanc 540  
 ttgcctctgg n 551

<210> 7238

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7238

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caagctccgt ctctgggtt cagccattc tcctgcctca gcctctcaag tagctgggac	120
tacaggcacc cgccactacg ccagctaata tttttttttt tttttttttt tganatggag	180
tcttgctntg tcgccaggc tggagcaaca aaaataaact taattcctct tggncacca	240
gttaccaatc tgnacctntn tcacctcag ttctcaattc tnttcaaag atttgcata	300
aagttgatat ctggttatgc tctgatctac cagtcttigna atactagtgt gtgagaaaga	360
aacctgcctg ccacaatttg cttaccaact atttgaacat aacacctct atattagccc	420
taagaaattc tcaactaagt catgtgacaa gaattcctct atttgaacaa tnattccaaa	480
ccaggatttc actgggntca attttcaggg gtttanccct ttgnttaagc cccaggaag	540
ttttnaaaaa n	551

<210> 7239

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7239

aatcataaaa gagttagatt ttgtcaaata cttttcttat atcagctgaa ataatcatgt	60
ggttttcttt ctcttcattc tgtaaatgcg gtgtattaca ctgattttct tatgttgaac	120
tacccttgca ttcctgtaat aaatcttgct ttgtcatact gtataatact tttaatattc	180
tgttacattg agtttgccat tattttattg agaatttttt acatttacag tcatatggaa	240
atattgcttt ttttttttct tgtgggtgtc ttaggtagct ttggtataca tgtaataatt	300
gctccataga atgagttaaa aagtgttcct ttttagggaa gaaaactttt ttaaaaagga	360
ggtttgggtg tcattattct tticattttt tttaaacaga gtttgctctt ggtgcccacc	420
tggaatgcaa tggcccaatc tcagctcact gnacctcggc ttccggatca agcaatctcc	480
ggcttaanct ccaggacctg gatacaagca tgcgccacca tgccggctaa ttttttgat	540
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<210> 7240

<211> 581

<212> DNA

<213> Homo sapiens

<400> 7240

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ccaagacaga gtctcactct gtcgcccagg ctggagtga gtggtgagct cagctcactg   60
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tacaggcatg tgctaccaca cctggctaata ttttgtattg ttagtagaga tggggtttca  180
ccatgttgct caggctggct tcgaactcct ggcctcaggt gacccgcca ccttagcctc  240
ccaaagtgtt gggattacag gcatgagcca ccacgcctgg cctttgtttc gttttttgtt  300
tgtttgtttg tttttgagac acagtttcac tctgtcacc aggctggagt gtagtggtgc  360
aatctcaagc ttaatgcaaa ctccacctnc tgggttcaag tgattcttgn gcctcancct  420
nttcgaagta gctgagatta caggaagtgg taccaccatg cccggnttaa ttttttggan  480
tattaagtaa gaagacnggg ctttcacca tggtttggcc ggggttgggc ttnaaacttc  540
ctggagcttn aagtggatcc ancccatntt ggggctttcc a                        581

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<210> 7241

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7241

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gagacgaagt ttcattcttg ttgccaggc tgcagtacaa tgggtggaatc tcggctcaac   60
acaacctctt acctcccggg ttcaagtgat tttcttgct cagcctcctg agtagctggg  120
attataagca tgcaccacca caccggctaa tattttgtat tttcagtaga gacagggttt  180
ctccatgttg gtcaggctgg tctcgaactc ctgacctcag gtgatccgcc ccgcctcagc  240
ctcccgaagt gctcggatta caggcgtgag ccaccacgcc cggccaaggt ttccattttc  300

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tgtgctactc caaaatcctc tcccttgcat gtcattggaat gcagccagcc taacttccta 360  
aactcaaaaa catcccatig aaattcctgg tactcaaggc tcctgctccc acggtaggac 420  
aagcttcagg ctcccccaag tgcantgtgg gccaggagct cgaactattc ctgngttggc 480  
ctgggtcaag ctggtgaagt ctgattcttt ctgctagaa gcaggaaaaa ggggggcaag 540  
tttgaaatgg nactatgggt nctggaagcc 570

<210> 7242

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7242

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caacctccac ctcccagggt caagcgattc tcgtgcctca gcctccctag aagctgtgat 120  
cacaggcgcc cgccaccaca cctggctttt ttttttttt gagacagagt ctcattctgt 180  
cgcccaggct ggggtgcagt ggcgcgatct cggctcactg ccagctctgc ctcccgggtt 240  
caggccattc tcctgcctca gcctcctgag tagccgccc gctgatttgt ttttttttt 300  
ttttnagtt ttagtagana tggggcctca ccatgttagc ctagttttgn atttttttt 360  
agtaaaaaat ggagtttcac catgttgcc anactggctt gaactcctga cctnaagnga 420  
tctgnccgnc tna 433

<210> 7243

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7243

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cactgctcca cattgaagat gctgaaatgg gtggtcaggc ccttagtctt ccttctagtc 120

tggttaacccc acactccttt aacagaacca tgcttgctgc ccttaccctg tccacatccc 180  
 tgaaaggaaa cgggtctctc tcagccagat gcagatagtt gacactcact gcctttgcta 240  
 tggcaggggg ctccttatga ttaaccaga acaggaaaaa cttagtgtca gctgaccgaa 300  
 aggaactcag ccttaatttt tcaaaaagtc actctcattc cagctatctc caggaaggcg 360  
 ctggagtatc ttcagcatga gcacagagat tcccactgcc gaaatattcg gaatactttc 420  
 cttgatttct cagagagact catggagtcc gtttcantctg gctggctaga ctggttgtgc 480  
 cccaaganga tggtaaacac tggttttcaa cctggctctg ctggggccct ggcatctggg 540  
 tcanttcccc attctcc 557

<210> 7244

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7244

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 attacaggca tgcgccgcca cgcctggcta attttgtatt tttagtagag acagggtttc 180  
 tccatgttgg tcaggctggg ctcgaaactc cgacctcagg tatctgccag cctcggcctc 240  
 ccaaagtgtt gggattacag gtgtgagcta ccatgcctgg ccaaagacc tcttcttttag 300  
 tttcattctt atttaaaata atatgacgac gagcaagaat cctgtttcca gcttaacagg 360  
 cattaggaga gaaaaaagat naactaaaca ggactggagg ctgactaact ggggggtagg 420  
 caggaaggag aatttcaact gtcagaataa gaagggaata gctngaaggc agacaaccgg 480  
 accacctgga aatgacccaa tgctnttanc cagggactta acttccatca tggattttaa 540  
 agccccaga aatac 555

<210> 7245

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7245

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aaaaa caaaa aatggattgc caacctcccc taccatagag tgtctaactc agaagcatga   60
actggcgtgg catatgcctg ttgcctatgt atagtttctc agtataaagc ttttctgaat  120
tgtcagattc tgtggacatt tggaggctag gaggtaagat tccaaaacca gcatgtcaac  180
caaagccaat aataaggcct ctcaaatacc taccacatat ctgaagagaa acttttaaca  240
gttttcacta tatattttaa acaaaaagtc agaagagtaa aaaagtcca ttttaaactg  300
tatatatacc atcttaattc ttgtgttgga ctatagtaaa taacaaaatc angncagggtg  360
cagtggctca cgcctgtaat cccagcactt tgggaggccg aggcggcaga tcacgaggtc  420
aggagatcaa gaccatnctg gcgaacacng gggaaacccc gtccctacta aaaatncnna  480
agattggccc ggnggtggng g                                           501

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<210> 7246

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7246

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atgaagaaaa gaggtttaat taactcacag ttctgcaggc tgtacaggaa gcatggctgc   60
gaggcctcaa gaaacttaca gtcattggcag aagggcgaag ggaaagcaag caccttcttc  120
acatggcaga gggagagagc aagcaaaggg ggaagtgcta cacacttaac cagatctcat  180
gagaactcac tgtcatgaga acagcaaggg ggaaatctgc ccccatgatc caatcacctc  240
ccaccaggct ctacctcaa gactcaggat cacaattcaa catgagattt ggggtgggggg  300
acacagccaa accatatacat tccacctggt cccctcccaa atctcatgtc ctcacatttc  360
aaaacacaat catgccttcc caatagcccc ctaaagtctt aactcattcc agcattaact  420
caaatgtcca agtcaagtct catctgagac cagccaagtc ccttccttct gtgagcctgt  480
aaaatcaaaa accagtcagn tatttncaag atccaatggg ggatcnngca ttgggtaaat  540
gtccccattc caaataggag aan                                           563

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<210> 7247

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7247

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gacagagttt cgctctttgt tgcccaggct ggcgtgcagt ggcacaatct cagctcactg   60
caacttccgc ctcttgggtt caagcaattc tcctgtctca gcatcccgag tagctgggat  120
tacaaacacc caccatcacg cctggctaata ttttgtattt ttagtagaga cgggggtttca  180
ccatgttggc caggctggc tcgaactcct gacctcgtga tccgcctgcc ccggcctccc  240
aaagtgtgg gattacaagc gtgagccacc acaccagca ataataggta acttctaaga  300
cccatagcca gtaagacgcc cagctaggat gtgaactcca gtcctgtctg agaacacctc  360
tcccactccc ctggattgcc ttgatgcctt gagtcaggac ctcaggagtg cacgcctctg  420
gaaagtcctt agcacaggca agctgtgccc cgaagtggat gcagtcattc tgggaatacc  480
gggaaaagtg ggaatgcaag ggaacatnca catttaangg gtangtggan aaacgggaag  540
gaacccgaac cagcccggaa ggtagg                                     566
    
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<210> 7248

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7248

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gananagggt ctactccct gngcccaggc tggagtgcag nggcatgac ttggctcact   60
gcagcctcaa cctccccaag ctcaggngat tctctacct cagcctcctg agtagctggg  120
aatacaggcg tgtgccgtca tcctgggnga ttttgtatt tttgtanan acggggtttc  180
accatgttgc ccaggctggc ctggaactcc tgggctcaag ngattaccc gcctcagcct  240
tctgaagtgc tggcattaca ggcatgagcc atggngccag ccccaaattt tctcttctta  300
    
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ttaggacact attcanattg tattagggct catgccaatg gcttcattta ctctaaatta 360  
 cctcttttaa gcccttatct cctaataat ccacattctg cagtactgga gggtagggct 420  
 tcaacataca catttttga gaacacaatt taccataa caaccagnca atnccagta 480  
 accaaaaaa annctggaa ttgagggaa actcaaagng gttgggaaga aactnttggg 540  
 ggcnc 545

<210> 7249

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7249

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 ctacaggcgc ccaccacat gcctggctaa tttttgtat ttttagcagt gacggggctt 180  
 ccccggtta gccaggatgg tctgatctc ctgacctgt gatctgccg cctcggcctc 240  
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 ctatattcac aaaattgtac aatcatcacc attatctaag ttctggaata ttttcacac 420  
 tccaaaaaga aatccatac ccattagctg ncacttcta ttatcttcc cttaaaattc 480  
 tnggaaccnc tnatctatat tggggttaaa gancgtgctt aactggaant ttacatgaat 540  
 gggataatcc agaagnggtt t 561

<210> 7250

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7250

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 catcactcaa gagtctacat gatttggccc caagatactt ttcaaagttc atttctcagt 180  
 tcataatagc ccccatcaaa ttactcatgt tattgtactc tgtttccacc ccttccattt 240  
 tttttcttat gtttatgcct ttcttttttg ttcctgctcc tgccttgatc tacacccatc 300  
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 acgtggcaga tgttattatc tgaggttcct aagtggatca acccaaggta tgttctttat 420  
 ttnnntattn ntttattttt tgggatggaa tctcattcca ttgccagct ggantgcant 480  
 gtgcaatggt gaaatcttag ttactggaac ctcggctcct ggggtcaagg gatnctggga 540  
 ctacagggcc cccacntgc 560

<210> 7251

<211> 487

<212> DNA

<213> Homo sapiens

<400> 7251

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 caaccttgac ctctcaggct caagtgatcc tccacctca gcctcccaag tagctgggac 120  
 tacaggcaca caccaacaca cctggctaatt ttttaaattt tttgtagag acagggtctc 180  
 actatattgc ctaaactgat ctgatctcc tggactcaag cgatcctccc accttggcct 240  
 cccaaagtgc tgggattaca ggtgtaaacc gccgtgccca gcaattttta attttttgta 300  
 gagatgggat ctccctttgt ttgttgccca agctgggtctc aaactcctgg gctcaagcga 360  
 tcctcctgcg tcagccttcc aaagtgagat tacnggtaga aaccncttaa aaacaatttt 420  
 ttatcttcag cttttaangg gnacatatgc nggatgtgca aggttggtac atangnaaaa 480  
 ggtgtgg 487

<210> 7252

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7252

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tacagggtgtg agtcattgta cctggccagt caaccattgc ttaaagcgaa atatttctct  180
acattgctca tatatagttc acaaatttaa agcaatactt tcaaagttaa actaatgcaa  240
aatatgaaaa aaatgttttc attagtgaga tgcataagaa gataccactt tataccatt  300
aggatgacta ttattaaaaa agacagtgtt ggcaaggaca tgaagaaaat ggaaccctta  360
cacattgatg gtggaaacaa aaatagtata gctactgttg aagacagtca ggcggtcctc  420
aaaatattaa acacagaatt attttatgac ccagcaattc ctttctaaga tccccaaag  480
aactggaagc ggaaatgcaa catatctggc attaggttca tagcagtatc ccatagncnc  540
aaggngtaac tcaaac                                     556

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<210> 7253

<211> 495

<212> DNA

<213> Homo sapiens

<400> 7253

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gagacagagt ctcactntgt caccagggt ggagtacagg ggcatgatct cggctcattg   60
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tacaggcgcc caccaccacg tccggctgat gtttgtattt ttagtanaga cggagtttcg  180
ccatgtcggc ggggctgata ttgaactcct gacctcaggt caggatccac ccgcctcggc  240
ttcccaaagn gctgggatta caagcgtgag cactgcgcc tggcccaaac atcttttatt  300
ttgaaaaggt aaaattggaa aaaagttgct tgggtgggacc gccgcggag cgaagggcna  360
acccgcgctg gccctgcgt ctggggccnc natgctgacc cccggggttc aacctnaacc  420
agganccggg atttctgaca ttggcatccg nnggcctatg ccccggttc gagttcaacg  480

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gntaacttna ggggn

495

<210> 7254

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7254

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acaggcacgt gccagcacgc ccagctaatt ttttgtatct tagtagagac ggggtttcac	180
catgttggcc aggatgggtc agatctcctg acctcctgat ccaccacac cggcctccca	240
aagtgcctagg attacagggtg tgagccactg tgctgggccc caaatttctc ttttgtggga	300
gaagccactt tagaagtata tatctacata ccttgnctaa gtcaatgtgt tgctataaag	360
gaatacctga ggctgggtaa tctatacaga aaagaagggt tatttggtctc tcgggtctgc	420
aacctgcacg ggaccatggc actgacattt gcttgggggt tggaaggc ctcataaagc	480
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naaaagccna accngaaaaa acct	564

<210> 7255

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7255

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agggtgtaaaa gaaaggcaag aaaatctaatt tggctgtatt tgggataaaa ttatagtgtt	180
atattttctg gacaagaaga tggaacagtg gcaaagagat gctttaagaa tccacagtac	240

tggcccatct agccgtatgg atgccaacag cacattcttc actgggcctg ctattttaatt 300  
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 tatattgtaa accacagcac atccagaaaa gtcgtcttac caaatcctct ttcaacctca 420  
 actcttgngg ccataatatg gtcagtgtaa cctcangccc tgggctccct aangggccta 480  
 ggtggaactc ancggaggcc ttttaccact atgcaacnta aggacagatc acattccctg 540  
 agcctcagtt ncntgnaaaa an 562

<210> 7256

<211> 520

<212> DNA

<213> Homo sapiens

<400> 7256

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 ggtggtcaga aatgagtgtc tctggcgctg ctggactgtg gcccgcagcc tgagcacccc 180  
 ttcttctcct ccctctgctc atattgtctt tgtgctgcca tccagtcagc agcggacagc 240  
 cagcccaatg ctgctcaggt ctgtggcatc cagagataaa aggcgtctcc gctccccgca 300  
 ggtttctgct ttgccacctg gtggggtacg cgcttggtac gccacccccca ctggagggtcc 360  
 tgaatggtcc acagagaagg cgtggggcaa ggcctcaagt gctgatgctc tgagaataaa 420  
 aattaaaagg cagctcttgc ctgaagcgtc accccacang gctcaatnct tggctgngnc 480  
 ctctggggnc caaggtgggc acatggttcg gggnaataat 520

<210> 7257

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7257

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 cacgtctctg cagccttttc acagaagtac aaaagtgttt tctttgtgga gacaggactt 180  
 aatttgatgc atttcaaccc tgtctaaatt cccctcttta tgggccagac agatatactg 240  
 tcaaacaaat tccaagtaag ccaaacagag gctgagagaa tttgtcagtg gagaaaggca 300  
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 gtgcccagca aaggggcaga ccctgcaccc cactaagcac tttctgggga cctggcagct 420  
 tgttcttaac ctggaaaata agtccatgaa gtcggcatta ttatcctcac tttaccaagg 480  
 aggaaagcca gggttcanag gagatntcca ctgncaatg gncacttagc cnggaatgga 540  
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<210> 7258

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7258

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 ctcccagta gctgggttta cagggtgctg ccaccacgcc cggctaattt ttgtttcttt 180  
 agtagggttt caccgtgttg gccaggctgg tctcgaactg ctgacctcg gatctgcccc 240  
 ccttggcctc ccaaagtggg gagattacag gcgtgagcca ctgcacctgg ctttttattt 300  
 ttttaacttt gtatacggtg ttttcttttt ctgtatagaa gtcaaactat tttccttcat 360  
 ggattctggg ttttgtctct tcattccaag accatttaaa aaaatgtgtt cacattttcc 420  
 tctgatactt ttaaggnggc tttctgaaga taaaacctga tgtgtctgca atgctagant 480  
 gangcttgag tatggcaagc tinctgangt gcacctgtga actgaggaca acatggcntn 540  
 tnaaggaagg acaatcc 557

<210> 7259

<211> 493

<212> DNA

<213> Homo sapiens

<400> 7259

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gagatggcgt ttcgccatgt tgcccaggct ggtcttgaac tctgggactc aaacgatctg   60
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acggagtctc gctctattgc caggctggag tgtagtggcg ccatctcggc tcaactgcaac  180
ctctgccttg tggattcaag caattctcct ccttcagcct cccgagtagc tgggactaca  240
ggtgtgcgcc accacgcca gctaattttt gtacttttag tagagacggg gtttcagcat  300
gttggccagg atggtctaga tctcttgacc ttgtgatcca cccgcctngg cctcccaaag  360
tgctgggatt acaggtgtga gccaccacgc ccggcccagc taattttttt aaaaaaagct  420
ttagagatg ggatcttgct atgttgcca gccagtcctt gaactcctgg cctnaagnna  480
ncctnccgct nna                                                    493

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<210> 7260

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7260

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gagacagagc ctcactctgt tgctcaggct ggagtgcagt ggcacaaact cagctcatga   60
caacgtatgc ctcccggtt caagcgattc tcacgcttca gccactaag tagctgggat  120
ttcaggcatg cgccactcct ggctgacttt ttctattttt agtagagaca gagttttgcc  180
atgttgacca agctagtctc gaactcttgg cctcaagcga tccgccacc tcagcctccc  240
aaagtgctgg gattacagac aggcgggagc cacagtgcct ggccttgcat taatttttaa  300
aatgagaaat aatacagtct tgctttcatt taaaactttt tccaagaaac catgagcaaa  360
cctgtgttta ccatatatac tgnactgaat atttgacat caccatttca atgtaaagtc  420
agatgctaata aattaacaca gactgaccaa cactctgaaa tgacttggtta ttttctaaaa  480

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taccattagg tacagacctg aggaatgctt gggtcacttt cattaacact gncaggagaa 540  
ttcaggcntg agtngatcct tctaaaa 567

<210> 7261

<211> 570

<212> DNA

<213> Homo sapiens

<400> 7261

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agaatctgga attggcctgg acgggattcg agggcagctg gcgggggctg catagcccct 120  
gaggttcctc ccccaccatg ggacctaagc tattggaaac aggagcacca acagggcacc 180  
gaacctggaa ctaagttagt gtctagagtc aggcaagaga ggagagtcag gcaagagagg 240  
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cctcccctca ctggctacat ggagacaggg aggtgggtca ggctgttccc aggtcagaaa 360  
aataaccggc agtcaacctc agggctcata cccgagcttc tgctcaatcc cctcggggac 420  
agttacagga ctgagagaga aacgtgaatt tcagaaaaac aaatcatttt tcacataagt 480  
gttccaaata ttgcgtgggg catattaatg ctngaaaant atctttggtt anctgaaatt 540  
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<210> 7262

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7262

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cctcgtgatc cgcctgccta ggactcccaa agtgctggga ttacaggcgt gagccactgt 120  
gcccggccat tatttcattt ctttactgga tatctttgct tgctaaagtc tctgaatctg 180

aggctctgctc tttctgacaa acaagggtga gaggtgttaa aaataggcta ttatcaaaga 240  
 ctttctcttg acttaccaga ggcattgaaa tggatgaag aaggacatt actttcacta 300  
 catgactcaa tgctacttaa tctaccactc atggtaggaa aatgcttatt gggataactc 360  
 tggcttaaat aatgttcaag gttgggcttg ctctctcatt aaaactgcat aattggagac 420  
 catggtttga gtcantgctc tctaaccctt cccgtanaga catgctttcg gttcctgggg 480  
 tttctcaatt tactctaaga accatgttac catcattact ccttnaaaaa tattattggc 540  
 catcgctatt tgccaggctt ggg 563

<210> 7263

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7263

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 gactacaaat gtgcaccacc atacctggct aatttcttgt agagaacagg aggctgactt 180  
 caaactcatg ggcttaagtg atcctcttgc ctggcctcc caaagtgctg ggattacaag 240  
 catgagccac tgtgcctgga ctattatgaa attcttgaag taaattcttc aattccagaa 300  
 gttcagttga tttcttcttt aaaatagcta ttttgncttt tagctcttgg gctgttttac 360  
 ggaattcctt gaataccttg gattgggttt caactttttc ctggatcttg atgagctttg 420  
 ttgctaccca gattctgaat tctctgctgt ccagtagtca ttacaatctg gttaaaaact 480  
 actgctgatg ggtaaagggg ttggttcggc ataaaaagac ctttggcntt tggaatgnca 540  
 cggttnttgg cctg 554

<210> 7264

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7264

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gagaggtctc ttgaagacag cagaaggctg ggtcttgttt ttaatccaat ttgccactcc	120
aagtctttta ggtgggggtgt ttaggttggt tacattcaag gttaatattg agacatgagg	180
ctttattcct aacatgggtgt cattagctgg ttgctctgta gtttggattg ttagttgct	240
ttacagggtc tgtgggctat gtgcttatgt gtatttttgt ggtagcaggt gtcaccattc	300
tttcatttcc atgttttagaa ctctcaagac tctctttag ggccagtctg gtgataacaa	360
attcttttag cagttgcttg tctgggaaag attttatttc ttctttgctc atgtagctta	420
gtttggcagg atatggaatt cttggttagg atttttcttt tttattnttt tcttaaagag	480
actgggtctc actatgggtt tttgggtttt ggnnttttgg tttgagacna anncttgctg	540
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<210> 7265

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7265

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caacctctgc ctcccgggcc caagcgattc tcctgcgtta gtctctctag tagctgggat	120
tacaggcaca caccgccacg cctagccaat ttttgtatit ttagtagaga tgaggtttca	180
ccatgttggt caagctggtc tcaaactcct gacctcaggt gagtcactg ccttggcctc	240
ccacagtgtc gcgattacag gcgtgagcca ctgcggcccg cctattttct ttttctatat	300
gagaaagggg gaaggtcagg tacgtggcca aggtcacata taaagcaaaa ggcagggctg	360
ggttcctacg ctactgggtc aagttggctt cttccatctc ttcacaaaac tgagatgatg	420
gtaaccttgg attaaactgga gctgaaatat gtgctagaat ttcccttttag acctncnaag	480
cccagtgaaa attttatagg gctctagaaa aaggggcttt cttctaatat ttangnatga	540
cccaaaatna atcatggtat cntt	564

<210> 7266

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7266

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gagacagagt ctcaccatat tgcccaggct tgagtgtagt ggtgccatct cggctcactg   60
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gggattacag gcatgtaaca ccatgcccag ctaatTTTTg tatttttagt agagacaggg  180
tttcaccatg ttggccaggc tgctctcaaa ctctgagct caagtaatct gcccgcctcg  240
gcctcccaaa gngctgagat tacaggngtg aaccaccaca cccggcccaa gagtttttat  300
agagcttaat ccccatcccc tattccctgc cgccctgacc cccacctngc caaaggtctg  360
tggaactgagc tgaatgggtct aaccctctac ttacttgatt tttcttgag acaggcccaa  420
ccttangcta tctangggca catgctgcac ctcattagct taaactcang gtntgatcaa  480
aaaggggctt attttgacta acaaaaagng cttcggcact tcnggaaaat ntaangnttt  540
ttggg                                           545
    
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<210> 7267

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7267

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gaggcagagt cttgctctgt agctcaggct ggagtacagt ggcatgctcg cagcttaccg   60
caacctttgc ctcccgggtt caagtgattc ttgtctcagc ctctgagta gctacatgtg  120
cctgtcacca cacctgggta atttttgtat ttttagtaga gatagggttt tgccatgttg  180
gccaggctgg tctcaaactc ctgacctcaa atgattgccc accttggcct cctaaagtgc  240
tgggattata ggcgtgagcc actgggcca gccagaaatt catccttttg tcacctgctc  300
    
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tgagtaaacc acactatgga aagctttctc ttcactggct aaatcagtaa actgtgtcca 360  
 cttctaaaag ccatccagag agaaagatgc tgattgcttt ggaagcatta aaggtaagt 420  
 ttcagcaact taacacttaa caggagccaa gagaaataag gaaaaacatc acttccaaaa 480  
 caagttggca cacaccaagc ataaccngaa ctntttaaat taagataatc ccaatggnaa 540  
 gantnccnaa actggcnttt ggaa 564

<210> 7268

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7268

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 ttttttgggt ccaatcattc acccttccct gtatctaagc ctttatcatg taactttttc 180  
 attccttccc aaagaggcaa gtacagttgc tcactcccca actgatctct ggcttagcta 240  
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 tacttgcaga cttgactttg ntccttgtac ctctgctatc accactatag gaaattctcc 360  
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 tcttacctgg agtgaangag ccaagctagc tagacttgca gactgaagca caactgcact 480  
 gntgagccca attgaaangc tggttcctaa nccatgnaca agcactttaa caacctatgg 540  
 ttccggtggg tattaattgg aattt 565

<210> 7269

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7269

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aggctcgact caaatccctg ggcctaagca gtcttctgcc tcactctcca nagtaggtgg 120  
aactacaggc atgagacaca gcatctacag gcatgagaca cagcatcttc ctgtcttttt 180  
ggctccttta gtcccatctt tgtccctntg cccacccct acaggttttt ttgttgttgt 240  
tgtttttggg atggagtctc aactggcgcc ccaggctgga gtgcagtggg gtgatctcgg 300  
cttactgcaa cctcctcccg ggttcaaggg agtctcctgc ctcagcctcc caagtagctg 360  
ggattacagg cacctgccac cgnaccagc taattttttt gnatttttag cagaaacgcg 420  
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cttccaaagt gctggggata caggcgtgag ccaccgggct tgggcngggt ggttggtttt 540  
ttganacagg gcttnttggg caccacgc 568

<210> 7270

<211> 272

<212> DNA

<213> Homo sapiens

<400> 7270

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acatgccacc atgccctgct tttttttttt tttttttttt tttggtattt ttagtanana 180  
tgggggtttca ccatgttggc caggctgac tcnaactcct ggccctcaagn gatccacccg 240  
cctcggcctc ccaaagngct ganattacag ng 272

<210> 7271

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7271

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atgcaaagaa naggagggat atgggaatcc ctttngcct aatttttctg taaacataaa 180  
actgctntta caaataaagc ctattaatta aaacaacaaa atacaaaaca acaactaaaa 240  
ccaaaaacag ccaacaccca atgggttgag ctggagtaan aacaggctgc ccagcacact 300  
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tcagctcccc agcctntggc tcaagcccga ttacgaacac aaaggtcatc tgattggatt 420  
tcctgcccct cagctcactt aaggaggctt ttntgccaca agntttggtg caaaaagcaa 480  
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gccc 544

<210> 7272

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7272

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taggcgtgcg tcaccacacc caactaattt ttttctatt tttagtagag acagggtttc 180  
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cccgaagtgc taggattaca ggcgtgagcc accatacttg gcccataatt agctcctaatt 300  
aaccaaggcc tggctcacgt ctgccttgct catgctctcc ccttcagcga gtgcggctta 360  
ctaagtagtg aatctgattc ctgccccaca acccaccagg agcagacaca gacgcagggtg 420  
cacgccggca ggatgtgggt cgccgatgtg gatctagcag cccgncaaac ccgtcangct 480  
tccaattgcc tncanggatc ttaaggccgg ngcttnacca cctgggagge ctctgncct 540  
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<210> 7273

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7273

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tacaggcgcg taccaccaca cccagctaatt ttttctatct ttagtagaga caggtttcat   180
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aagagctggg attacaggcg tgagccacca ctctcagcag gaggtttcta ttaaaaacaa   300
atgagatggt atttgcaaac tgcagacat tgcccaattg cattagtcca ttttcacact   360
gctataaaga actacctgag actgagcaat ttatgaagaa aaaaggttta attgactcac   420
agttctgcat ggctggggaa gccttaggaa acttactatt atcattatct tttgagaaaa   480
gcttactctg gtacacangc ttgaagtgca ntggccaatc ttggctcact gnaacctcca   540
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<210> 7274

<211> 522

<212> DNA

<213> Homo sapiens

<400> 7274

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aacatntgng gctttggagg ccaaaaggaa ggagtctgac ttgctcaaaa ctcaaattctc   180
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ntggccactt ccaatcaagc agtccttgat gtctgcaccc ttntcgatca cagcattggt   300
gcanatgaca ctgccttgga tattgcttcc ttcctccaca gngactgagt tcatganaag   360
gcaattggta atagtcactc tatcttttat gaaacaggat gagccaatga ctgancgctt   420

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aatggatgac tttntcaatc tgggctntgg nccaatgagg ctgcaactcc aaccaggggt 480  
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<210> 7275

<211> 580

<212> DNA

<213> Homo sapiens

<400> 7275

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tatagcaacc tgtatcaatt agatcactcc atggcttcca tagtgtcaac aggggagctg 180  
ttagcacttg gtctctgagg agcacgggtt caaggcaatg ggaggctggc agcccagaag 240  
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aactaggggt caggggtcca ctgtttctgg ttgggtggaa acatcttttg tgagtctgga 360  
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cgaggctggg gagagaaagc actcccagat gatagatacc ttaagctgct ttgaacctga 480  
gaagaagaag gtgcatncca agtcacanga tggtcattaa tggtaggctg cattcttttc 540  
acatgtaaat taaaccctg gcatacctng ggtggggggg 580

<210> 7276

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7276

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tgcaggtgcc cgccaccacg tgcagctaatt ttttatattt ttagtagaga caggatttca 180

ccatgttggc caggctggc ttgaactcct gaactcaagc aatccacctg cctcagcctc 240  
 ccaaaatgct gggattacag gcgtgagcca ctgtgcccg ccttcattctt tattgctcaa 300  
 aagcaaagat gccctttata cccgagtac tgtgcagaaa ccaaaatgca tctgaaaatc 360  
 aaagagcaaa gctgttggct gggcagggag gacggcaggc caaagcccca gccccaggc 420  
 tgggcttcag ccgtcggctc aggaggccca gcccaactgt ccanaatgtg acaggacacc 480  
 catgtncagg actttcagtc aggacacaaa tccacaatgg cangnccttg acaaggcttn 540  
 ggaaanccan cttga 555

<210> 7277

<211> 582

<212> DNA

<213> Homo. sapiens

<400> 7277

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 gcacatgcca ccacgcttgg ctaatttttg tatttttagt agagataggg ttttaccatg 180  
 ttggccaggc tggctttgaa ctcccaacct taggtgagat ataagattct tgaacttaag 240  
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 gaggctgagg ctgaggcggg cagatcactt gagcacagga gtttgagacc agcctgggca 360  
 acgtggtgaa accatgtctc taccaaaaca aacaaacaaa caaaaaaatt agccaggcat 420  
 gatggcacat gcccgtagtc ccagctactc gggaggctga gatgggagaa ttgcttgagc 480  
 ccagtaggcg gaggttacag tgagcccaga tcatgccatt ccactncagt ctgggcaaca 540  
 gaccaagact ttgtcccaaa accaaccaaa ccaaaaaacc ct 582

<210> 7278

<211> 587

<212> DNA

<213> Homo sapiens

<400> 7278

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tctggcctgt cccccaaag catagcctcc accttctcac ctttctccag aggagtctcc	180
tccaccccca caggagctgt ggacaggccc tgcagcccta gggaaggagg aagggtcctg	240
caagtagaca ctaaggcaca gcgcggccca ggggtcataa gggctcttct ggcggtggca	300
tctgctgggg cttccagctg ggcgggggct ccacgcaacc gctgaccatc cagaagtagt	360
ttgggtgcac ctggccctgc acggcctcgc taaccatcaa ttccccatcc actgcaaaca	420
cacctttccc atccttgggc tccaacggaa ggcgaccacg ggcacatata ccaagtaggg	480
gcattcatac tccatatgcc tggccttttt ccatggncag gaaanaggcg caacaacatg	540
gcaccgaaan acttccgncc ggacgtanaa caagatgcat gacncct	587

<210> 7279

<211> 583

<212> DNA

<213> Homo sapiens

<400> 7279

agcgcgtcct tctgccttta actgacatta ccaattccac tcacattcct agcagttcac	60
tttgtaataa ctggagatgt gtataaataa tttgtacatt ttctatatag ttcaataaaa	120
aattgcttta actcccacct ttacaattta ttagttgtat gactttgggc aagttagaaa	180
ttctctgagt tataatttac tcctctgtaa aatggggatc aagtttatta tgaggatcaa	240
ctctaattaa gtactaatcc cagtgtttac taccactgaa tgtaaataa atattggttt	300
tcctcttcca tccttcccca tgcacaatcc ctgttcccca aaatggccaa gatgatacaa	360
attgttgaaa ggcagacaaa ccattgcatg ggtccatacc cagaaaagcc tgttgggatt	420
ctgtctttga aatggcaata ggtgttaagt gatgatgtta tcattcaga tcacaaagga	480
aaaattaaaa taaaaacnaa aaccaacaca aggtatgaga agagaattgc ttcaatctaa	540
gagaacctcc anggcngaga atccagaact ctntaaccat cng	583

<210> 7280

<211> 462

<212> DNA

<213> Homo sapiens

<400> 7280

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gagacggaat ttcacacctg tttccaggc tggagtgcaa tggcgcgtct tcagctcact   60
gcaacctctg cctcccgggt tcaagagatt ctctgtctc agcctcccaa gcagctgaga  120
ccacaggcat tcgccaccat gccagccaa ttttgtact ctcagcanaa atggggtttc  180
accatgttgg ccaggctggt ctcaaacctc tgacctcagg caatccgccc gtgttggcct  240
cccaaagtgc tgggattaca ggcatgagcc actgcacccg gccaaacaaac ttatttttga  300
ttattcaaat aactaagctc taaaatggtt tttctacact atatttgagg nataaaattg  360
gtattatcaa taattttttg gccangccac ggnggctcac acctataatc ccccagcact  420
ttgggaaggc aaaggnggca natcacccgn nggncaggag tt                        462

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<210> 7281

<211> 338

<212> DNA

<213> Homo sapiens

<400> 7281

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ccagttctct gggcagttcc tgctggtcac tgctttaatc agttgatgtg gtaaggaaag   60
gagtgggtgct ggtgccacca tgtggctgga cactcagggc ctcagccaca ctccacctcg  120
gggtcttcca catcggtttc cgcggcacag aggtcatcca gggctgcctc ttcacagtcc  180
gtcacatcag gaagccctcg gatgagcatg ctgacccccg gcatcacctg gtcaaactga  240
tgcaggacct ccacgcagtg catcatgaag agcttgnctt tctgcnatag gccgngcagc  300
agcagcaccg ngctccgnan acagngcact gtccgcct                        338

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<210> 7282

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7282

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ctgagacata gtctcactct gtcacccagg ctggagtga gtggcacaat ctcgactcac   60
tgcaacctct gcctcccagg ttcaagctac ctgaggcagg atgttcctgc ctcagccttc  120
caagtagctg ggattacagg cacacaccac tgcgcccagg taatTTTTgt atTTTtagta  180
gagacaggga ttcacatgtg tggcaaggct ggtcctgaac tcgacctcaa gtgatccgcc  240
cgccttggcc tcccaaagtg ttgggactag aggcgtgagc cattgtgcct gaccaactat  300
ttccttctta gtaactgtac agcatgctat aaaatgggat aaaccaagct ttccccccat  360
atggttcact gagaacatat tcctaaaaaa aaaaaaccaa atatgcctca aagtctttat  420
tactttgcca tttcttcatt cagatctctg ctcaaatgtc acttaaaggg agataccttt  480
cttgacctct ggatcatctt agctccatca tttctgcag gtaactttgn gataaaaagt  540
ggatctatTT gntagancTn ccttaaaatc ttggn                                575

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<210> 7283

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7283

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gagatggagt ctcactttgt cgcccaagct ggagcgcaat ggtgcaatct ctgctcactg   60
caacctcccc ctcccgggtt caagccattc tcctcctcag tctcccagat agctaggact  120
acaggagtgt gccacctcgc ccggctaatt tctgtatTTT tagtggagat gtggtttcac  180
catgttggcc aggatggtct caaactgctg accttgtgat ctgcctgcct cggcctctca  240
aagtgtggg attacaggca tgagtcaccg cgtccggcca ggaacctctt aacttctttt  300
gtgattttgt ggggaacaat ctgggcaaca gtattgaact aagaaagggt ttcaaccctg  360

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ggcaggtcac cacacttctt ggtactcagc cccacccag tgatgctgtt tgaggctgtg 420  
cacctgctgg ggaccgtgtg tgggtggagg ggctccagag agtgctagag ttaatgcttt 480  
tctggttaga agactatatg cttctcatgg cctcttggag ttcaacangg ccttanaaag 540  
catttccaac cacagagacc cctgctggnt ttctga 576

<210> 7284

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7284

ganacggagt ttcgttctcg ttgccaggc tggagtgcag nggcaggatc tcggctcact 60  
gcaacctntg cctgccgggt tcaagcgatt ctctgcctc agcctcccaa gtagctggga 120  
ttacaggcac ccaccaccac gcccggttaa ttttgtatTT ttagtanaga caaggtttct 180  
ccatgttggT caggctcatc tcgaactccc gacctcaggn gatccgtccg cctcagccac 240  
ccaaagagct gggattacag gngtgagcca cagcgcctgg cggtttggcc atatTTTTgt 300  
gagcagttag ccacttggtA tctgactaaa agaaggtagc aacatgttcc caatatgaca 360  
atTTTTTTta atngctTTaa aattcttcaa actttgcctc tgnTaaatta tgnatttata 420  
Tgcctttatc atccaaatTT ttttTaaaag ccctccctTT aaaagccatc antTTaatgg 480  
gntgaaagtt ntaatcnggn cctaaaatTT ccctgaacc acagcatgtt aatncctgaa 540  
Taaaataaga tccctaccta aaa 563

<210> 7285

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7285

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ttgtgatcca cccgcctcgg cctcccaaag tgctgggatt acaggtgtga gccactgtgc 120  
 ctggccggcc agctctttat ttggtagcgg tccagagtgg ccaagccacc tgtccagaga 180  
 cacacagcca atctgtggca gggtcagcag cgagctcagg tcagggtgct ctggctggct 240  
 ctgcctggga catccacctc acagaggcac cacagttcca agcgacgcct gaagaatcct 300  
 gtcccttgca gtgtcccaag agcatcttcc tgagcatcta atctgatccc tgtaacaatc 360  
 ctgggtgcta ggcagtggct ttatcttcca ctgagagata aggaaatgag actcagggtg 420  
 gtgaaatcag accctggaca gcaacagtgg caatgaggac tatggaaagg gaagcttgtg 480  
 aacccaactt catgntgttc caaatctggg gcaattttct gaactctaata gccatttaac 540  
 tgggaccaag gtttgaggaa aaaaaaaaaa 568

<210> 7286

<211> 575

<212> DNA

<213> Homo sapiens

<400> 7286

aattatactt caaatctctg gacatgtgca gagtgtgcag gtttgttaca taggtataca 60  
 cgtgccacgg tggtttgctg taccatcaa cccgtcatct acattaggta tttctcctaa 120  
 tgctatccct cccctacccc ccatccccta acaggccccg gtgtgtgatg ttcccctccc 180  
 tgtgtccatg tgttctcatt gttcaactcc cacttatgag tgagaacatg ccatgtctgg 240  
 ttttctgttc ctgtgtcagt ttgctgagaa tgatggtttc cagcttcac ccatgtcctgc 300  
 aaaggacatg aactcatcct tttttatgac tgcatagtat tccagcttca tggagggttt 360  
 cttggttgtt acctgggggt ccagttttgc acgctgcaga ggacctgcaa cttacagatt 420  
 tatcacttaa ttcattcttt gcattctcct acttttctc actccaacca tttctgggca 480  
 ttccaaagcc cctaaagcca gaattcattt tgnatgggtc ttaacagaag taagaacttc 540  
 ttttgnttcc taaagaatat gaaagcctac cngtt 575

<210> 7287

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7287

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aacataaaca ttaccacttc tgagacttct ggaaagaaaa aaaggtgaga aggaaataat   60
tctctaaatt gcctggttta ttcatatgcc tatcatactt ttgttagttc atcccttaag  120
ttatacccca tctctcacta aataccaaca attcctatta gctttttaaa taagtggttg  180
gtaaatgctg ctgagaaatg aagcaacttt tcaggctcta gaggacgcca gagcaaagcc  240
taagacatct caatacttgc acaacacaca aaaccctcaa cagcattcat ttattcctaa  300
acgtttactg agtgccagac acaatatctg gcacagaaga tacagtgaca agcgcctgca  360
agagccttat aagtaaacac aagtagttct ctgacattca aaacgggaaa catttgcaga  420
ttacgtagga caccctccat ctcaagatgc tgctgcttta aggttgggga nggggctctt  480
gaaatctgca gcttaactag gggcccagct acttantaca gggctggaag ctctaccgaa  540
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<210> 7288

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7288

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gagatggagt cttgctctgt tgcccgggct ggagtccagt ggcatgatct cggctcactg   60
tcacctccgc ctcccaggtt caagcaattc tcctgcctca gcctcccag tagctgggat  120
tacaggcatg cgccaccacg cccagctaatt tttgtatttt tagtagagaa ggggtttctc  180
catgttggtc aggctggtct caaactctcg acctcaggtg atctgcctgc ctcggcctcc  240
caaagtgtg ggatgacagg cgtgaaccgc tgcaccggg ccaaagggtc acagaagacc  300
ttctctgggt gcaggggact ggaggtcatt tticagatga gaaaaatggc cagagaggta  360
aatgggctta tagaagatcc ctccaggacct caggactgag aaaccatgtg gatggggaaa  420
ctgaggtctg aggccacatt cgcttaccaa tcttgccac ttgatgatcg gggggcctga  480

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tgaccagac gccccaaact tgtccaacac gtggtnggaa aaaaggcccc aanggggttc 540  
ggggcttggc cagncccn 558

<210> 7289

<211> 503

<212> DNA

<213> Homo sapiens

<400> 7289

ctaaacttct tttctcgctt catttcattc atttgatctt caatcacttg ataccctttc 60  
ttccacttga tcgagtcggc tactgaagct tgtgcattcg tcacgtagtt cttgtgccat 120  
ggttttcagc tccatcaggt catttaagga cttctctaca ctggttattc tagttagcca 180  
ttcgtctaatt cttttttcaa ggtttttagc ttctttgtga tgcgttcaag cttcctcctt 240  
tagctcggag aagtcctgatc atctgaagcc ttcttctctc aactcgtcaa agtcattctc 300  
catccagcgt tgttccattg ctgacgagga gatgcattcc tttggagggg gagaggcgct 360  
ctgattttta gaattttcag cttttctgct ctggtttttc cccatctttg gggntttatc 420  
tacatttgnn ctttgatgat ggngatgtac aggtgggggt ttggggggga ggcccttctg 480  
gnnggtaagn tttcctttta cng 503

<210> 7290

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7290

gtaaataact ttttaatgat cagaaaataa cattcaaaat aaaataatgt aagttcctaa 60  
tcacagtcca caatcaaaca tatttttcaa atggtatcgt ctaccatttc ttgggtaggg 120  
catatagtaa taggggcaag tgagtacttc taaacacaat atacatatag aataattacc 180  
acatataagc attagaatac tttttttttt ttttttgaga cacctagggt gtcacctagg 240

ctgtcaccta ggctggaatg cagtggcatg atcccagctc cctgcaacct ccacctccca 300  
 gcttcaagtg attcttgtgc ctcagccacc caaatagctg gaactacagc atgcaccacc 360  
 acaccaggct aattttgtat ttaactcctg acctcaagca atctgcctct ctcagcctcc 420  
 caaagtgttg ggattacagg cgtgagccat catacccagc ctacttttta aaagataaag 480  
 gncctatagc ttacatcaa agctgaatga ccatncaatt ggatccatct tttaaaagcc 540  
 ttaanttata gcn 553

<210> 7291

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7291

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 tacaggtgcc cgccaccacg cctggctaatt tttctgtatt tttagtagag acggtgtttc 180  
 attgtgttag ccaggatggt ctcgatctcc tgatctcgtg atccgcccgc ctggcctcc 240  
 caaagtgctg ggattacagg cgtgagccat ggcgcctggc tgcccatttt taaaattttt 300  
 attattattt ttctttcatg tcagacaggt aatgtgcaa tgtcataaaa ggtttggggg 360  
 cgacatacct cacacatgtg tatgaacact caatcatcat gcttatgaac tacaaaagga 420  
 tcataggcaa gagttcaaag gatggaaagg aagtgaagga gggtgcaatt gtggtgaatg 480  
 tggaagtgaaggcgttcag gcngaaggcn caacttntac agangcatta agccttagac 540  
 atatggctgg aag 553

<210> 7292

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7292

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aagagttaac gatctgttgc ccaggccgga ctacagtggc acctccttat ctcggtgaag   60
ccttgaattc ctgggctcaa gcgacacctc catctcagcc tccagagtag ctggggctgc  120
agacatgaac cagcatgcac ggctaactta aaattctttt cttctagaga tggggctctca  180
ctatattgcc caggctggtc ttgaactcct ggtctcaagc aatcccccca cctcggactc  240
ccaggttgct gagattacag gtgtgagcca ctgtgctggc tgaattccag aactgtttca  300
tcgccttaaa tggaaacccc gtccgcatta gcagtcaccc ccgtctctc caaccacaca  360
tccatgcata ttctctgtgg atctgcctgt tctggaaatt tctccttttt tttttttttt  420
ttttgntttg agacagagtc ttgccctgtc gcctaggctg gagtgcagtg gtgcgatcat  480
ggctcactgn aaccttccgt ntccaagntc aagcgattnt ccgnggncat atgcnaacgg  540
ggggaat                                         547

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<210> 7293

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7293

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gagatggagt ttgcacttg ttgcctaggc tggagtgcaa tggcacgac tcggctcact   60
gcaacctcca cctcccgggt tcaagtgatt ctctgcctc agcctgccaa gtagcgggga  120
ttacaggctt gtgccaccac acccggctaa ttttgtatth ttctggaga gaaggtttct  180
ccatgttagt caggctggtc tcgaactccc gacctcaggt gattggccc cctcagcctc  240
ccaaagtgtt gggattacag gcgtgagcca atgcacccag ccttacgtct ggttttcatt  300
gagccctagg gtttggtctc aacagtgtc ccagtagtct gaggtgcaag gcctgggaaa  360
ccaatggaag gagtggggac cggtgggaag ggatgaagg cctgagactg ggggtgaagcc  420
aaagcaaact gtgcaggaca aatggaatgg tggangccaa gatgcatttt gcaaaaaactg  480
gtttgcacaa cttggagtca agcccttgca ngcagaaaac acccctntgg tggttccttg  540
gg                                         542

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<210> 7294

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7294

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 acttcagctt ccaaataact gggaccatat gcacgcata ccacaccag tttcccctgc 120  
 cttttggaaa actctgtaat attccatatt tcacagcgtg actggagaaa gtagatgttg 180  
 ggatgaagtg ggaaacctga tactcaccca ccaagacagc cgtatgcttg tgagcggggt 240  
 caaaggggct ttggcctttt ccctccatga ccttgtcctc cgagatgggc aacaggtagg 300  
 aatcttgaag ttcctaaatg gggagagagg ctggggggcc agaacgcaa ggtctcacat 360  
 ctgggaaatg aggggcttga ggaaggaagg gaaagggaca tagagggaaa ttggtctggg 420  
 gccaggaagt tcatganggt cctgcatctg gaaaggccag agttttncag agcttcagan 480  
 gaaaagtent gggtagatgt naaaagggat gcttgggggn cttaccctt gggcaccaan 540  
 aacttaccat ngaaggg 557

<210> 7295

<211> 553

<212> DNA

<213> Homo sapiens

<400> 7295

gagacggagt ctggctctgt cgcccaggct ggagtgcagt ggcgcaatct cggcccactg 60  
 taagctccgc ctcccagggt cacgccattc tcctgcctca gcctcccag tagctgggac 120  
 ttctttttaa aatttgtttt ttctttttt gtttctttt ttaatctat tttagttttc 180  
 tgagaaatct ccatactgct ttccataata gttacaccaa ttacattcc caccaacagt 240  
 gtatgagagt tccctcttct ccacatcctt gccaacatct gctattcttt gtctttctaa 300  
 ccgccattct agctaaggta agatgatata tcattgtagt ttgatttgc ttttcctta 360

cacttagcaa tgctgggcac tgttcacata cctgtttgtc atttgtatgt ctttttttga 420  
 gaaatgtctt tttatgtcac ttgcacactt ttttaagtggg attattgggtt atttttactg 480  
 gtcaagtggg ttggattcct caaatattct ggggatcagc cctttcttgg atgaatagtt 540  
 accaacattt tct 553

<210> 7296

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7296

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 gttaggcctt caacacagga atttggggca gggacacagt tcagtccata acacctccgc 120  
 agacaaatct gatctctgcc tcctccacag cgccaccttg ttcagggcag gacttctctt 180  
 catcacagca catccaccct tgattcccat ttgngcctcg tgtgcatttg atgaacgaat 240  
 gaagtcccat cccctactcc ttctgtctcc tccttctctc cagcagcctc tgtgtgacaa 300  
 cttatccgtc tctccactg tcccagttcc cagaggcagg agccaccctc tcatgcatcc 360  
 ctgggctctc ggcaccctgc acagggcagg cccgggtggg tgaattctgg ttcaattgta 420  
 ggaggacctg tggcccctgg ggttggcgaa ccccgggccg ggagtccac tccttggcat 480  
 tgcgnccac acattcatca gccctattg gacaaaggct tattccatta ctgnggggtc 540  
 tttcagnccn 550

<210> 7297

<211> 451

<212> DNA

<213> Homo sapiens

<400> 7297

ataaagaaaa gaggtttaat tggctcatgg ttctaaaggc tgtacaggaa gcatgatgct 60

ggtatctatt cggcttctgg agaggcctta ggaaactttc aatgatgggtg gaaggtgaaa 120  
 gcgtagcagg cacgtctttg cttttttttt tttttttttt tttganatgg agtctcgctc 180  
 cttcgcccag gcggaagtgc agtggcgcgga tcccggccca ccgcaagctc cgccttccag 240  
 gcccacgcca ttctcctgcc tcagcctccc gagtagccgg gaccacaggc gcccgccacc 300  
 gtgcccggcc aattccctgt attcctagta nagacggggt ttcaccgtgc tagccacgat 360  
 ggctcgate tcctgacctc gtgatccgcc cacctnancc ccccaaagtg ctgggaccac 420  
 aggcntgagc ccccnccccg gcccnngcnt g 451

<210> 7298

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7298

agatggggtc tccatctgtt gcccaggctg gagtgcagtg gtgcgatctc ggctcactgc 60  
 aacctccgcc acccgggttc aagtgatatt cctgcctcag cctccggagc agctgggatt 120  
 acaggcacgc gtcaccacgc ctggctaatt tttgtatttt tcgtagagac ggagtttcac 180  
 catgttggcc aggctgggtc ccaaatacctg acctcagatg atccacccac ctgggcctcc 240  
 caaagtgctg ggatgacaga caggcgtgag ccaactgcacc cggccaataa tggttacttc 300  
 tagctagata ctactgtcat gtttcaagat ggctcactta aacctgtact tctggcagga 360  
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<210> 7299

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7299

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aggagtaatg agagattggg cagagggtta gggacagcag ggaggcggag gaaaatgaag 180
acaccagga aagaggagag gcctgaactg gacagctgat gctttgtcct gccagcacc 240
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tctctgtggg tacatgccag gcctgtccat ttgngtatt ccattctcct ggccacaatg 360
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gtcagcaaag gggagctctt ttatcaata actggtgctg tggggccaca ctgtgaagcc 480
caagaataaa gccactcaaa tgaaaccnac tgagagccaa gagacagata ctggttggag 540
gcctg 545
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<210> 7300

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7300

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tactccaagt aacagactta agatgttcaa tattggaact ctttggcata aactaaaaa 180
gaaaccttgg taaaagcaga atttacaac attttgttcc ttgcagtaca cttttcaaaa 240
gacatcttca tcaaataggt aagaaaggta agaattgctg aggtaatag aggtctcttt 300
tattatggtc ttcattctat cattattaaa ccctaatact atgtcctgtt ccaaagcatt 360
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caaaaccgac tgcgccagcc ttggcgaagc tccgcctact gccctttgct ccaagtaatt 480
tttggcgatt tttaaagtaa tttttccggc ggagtcatan tggcgctata ctcttgata 540
nggtatcctg gctct 555
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<210> 7301

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7301

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acaggtgcat accaccatac ctggttaatt tttgtatctt tagtaaagat gaggtttcct  180
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taaagtgctg ggattacagg tgtgagacac cgcacctggc cttctagcag tacttttaaa  300
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cctcagctga tgacctccag acggccgtca actgtgcctg aagtggacgg tgtcatgcgg  420
tatgaacaga taagtgagaa aagaacccat gtagctctaa acccacacac actatgaaaa  480
aacgacgcat gaaccacaag aagctgcann ctctggagtt aanggagcac gccacagg   538
    
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<210> 7302

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7302

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cgtgcctggc ctccttatga gaatctaata cctgatgata tgcactgtc tcccatcacc  180
tccagatggg accacctagt tgcaggaaaa caagctcagg gctcccactg attctacatg  240
atggtgagtt atagaattgt ttcattatcc attacaatgc gataataaag tacacaataa  300
gtggaatgtg cttggattat ccccaaacca ttccccccac ccccgaccc ctctatccgt  360
    
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agaaaaattg ccttccacaa aaccagtccg tgggtgccaa aagggaacca ctgccttggc 420  
 accaagtcta aaacaacact cttggcatgt tttcttatcc tgctttttct tcctggaact 480  
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<210> 7303

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7303

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 tacaggtgcc caccaccacg cccagctaata ttttgtatct tagtagagac ggggtttcac 180  
 cagtgttctt cgattttctaa atcagcccta gtaacttcat aatgttaagt aataaaagtc 240  
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 tgcacatatt tcagtaaata aacacactga ttcataata tgcagccaag caaatncaaa 480  
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<210> 7304

<211> 480

<212> DNA

<213> Homo sapiens

<400> 7304

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tacaggcatg caccgccatg cctggctaatt tttttgtatt tctagtagag atgggggttc 180  
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 cccaaagtgc tgggattaca ggcatgagcc accatgccca gcctggcatc tctttttctt 300  
 tttttttgag acggagtcct gctctgtcgc caggctggag tgcagtgaca tgatctcggc 360  
 tcactgcaac aacatccacc tccacagttc aagtgactct cctgcctnag cctcccaagt 420  
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<210> 7305

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7305

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 aataatctct taattaaaag gctgggtctg gcacagatca actgaatatt gcttaccact 180  
 tcctggaata taggttaaatt caggttaaaa ttaacactaa aggcagactt gaaattgtat 240  
 aaaagtaact gaagggcact aagtagctgt agaaagattt gagtggaggg gatttatgga 300  
 ctgctgcttt aatatattca ggccaaattc tttttccct gctcctgcat cccttaatca 360  
 ctgtccaagc ccaacgaaac aaagttttag cctcctggga aactaataac tgctatactc 420  
 cagggaaggt tttgtccatt gnactacagt ttctacatct gcttctccag atccattctt 480  
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<210> 7306

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7306

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cccaagacag agtcttactc tgctgagtgc agtgggtgga tctcagctca ctgcaacctc   60
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catgtgccaa catgcccagc taattttttg tatttttagta gagacgaggt ttcgccatgt  180
tgcacaggct ggtctcgaac tcctgagctc aggcaatcca cccaccttgg cctcccaaag  240
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gattgggttt taagtttcct gcacccagaa gggtcctaac cactacacaa tctaattggt  360
actgtcacc cacaatgaca gtgggttggg tacattgatg acttattaca ttattatct  420
catgccgatt gtcataaaac caaattattc ccacctccat tttttctct cctnccgacc  480
atcatgggcc cccaaacttt tgctggcctg taaaaagcac tgggcttnca agtaaggana  540
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<210> 7307

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7307

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ggagacagag tgccactctg gcacccatgc tggagtgcag tggcacgata ttggctcact   60
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ttacaggcac atgccaccac acccagctaa tttttatatt tttagtggag atggggtttc  180
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atcacttcta acacattcct ggggtgttgc gatgctgcca gtctggagac cacactttga  360
gaaccactgg gttaatttag catctcatgg ggagacagct gtgctatagt gaaatgagta  420
gacccttgag atctacttgg acacaaactt ctggggcagt agttctcaat tgggctactt  480
cacttttggg gtcacctggg gagcttttaa aattcttgac ccttgggntt caaccagac  540
caatttaaag ggga                                     554

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<210> 7308

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7308

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caccaccatg cctggctaata tttgtatatt tttatacgta gagaaggggt ttcaccatgt 180
tggtcaggct ggtctagaac tcctgacctc aggtgatcca ccaccctgg tgtcccaaag 240
tgctgggatt acagggtgtga gccactgcgc ctggccaact ccactgttaa ggcagcaggt 300
gcaggcaagt tacggctatt cacactcctg cagataaaca cagaagtcac cataccacaa 360
ctattctcct aacgctgcct tcgtcctgag cttcctgtgc tagtggcaag tcagatgcaa 420
ggaaaatcca nagtaaaaat aanaaacaat aacaggcaca gtcttatcaa gactgtgaaa 480
ccctgtgaac cctgngaaat gaaaatgaca gaagnatggg ataaagccng aatttnangn 540

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<210> 7309

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7309

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ttacaggcgc ccaccaccat gccagctaa ttgtggtatt tttagtagag atggggtttt 180
gccacattgg ccaggctggg cttgaactcc tgacctcagg tgatccacca gtctcagcct 240
tccaaagtgc taggattaca ggcctgagcc agtacgcca gcctcaagg taggttttaa 300
atgatatttt tcctgcactg tctcgagta tctcttttta ccttcacca catagaaaaa 360
gcaaaagttc agcaagacac ttagtaactt ggggggcatt atttgattct ccttcctttt 420

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ctttatccac attcttcggc cttcactcca tgatcgtcag actcagaaat acctgggcta 480  
 gatgcccac ccangangaa gccanttgcg ctgcaagggtg aaacacttct ggggaaggaa 540  
 aagtggcctt caatgccttt 560

<210> 7310

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7310

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 actgaagaca cacgaagggtg aatgctgaag accatcagag tcccagcagg aggtcacgtc 180  
 tttcattcag acgctccaat gcttttcatt tcagtttggt aaagaacgtg ttttacagga 240  
 agttctttac agtaatttca tgccagacac caggtttctt cgatggtaca cagctccatg 300  
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 tgggccgtag agacgtaaaa tggtcagatt cctttaggaa taaatgagga aaaggagagg 420  
 aaagagaaga tctgggctgt gctggtgctg gtttctactc atctttcgga nggtgtgact 480  
 tcaagagtta aatcacactt aggcctaca atggattagt ctaggtatct tttttitaag 540  
 aagattaaaa gggaagggtt ccat 564

<210> 7311

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7311

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 aacctccacc tcctgggttt aagcgattct actgcttcag actcccaagt agcttgggtt 120

acaggtgacc gccaccatac tcagctaact tttttgtatt tttagtagac agcgggtttc 180  
 accatgttgg ccaggctggc gttgaactcc tgacctaaag tgatctgcct gacttgggtcc 240  
 cccaaagtgc taggattaca ggcatgagcc accacacccc accaggcata actcttaata 300  
 ttggctgaat actcaaggta ggatttttac tacttattaa tattttttga agaaaactaa 360  
 ttagcatgat cttttggttg ggctaagagc atgttataaa ttaatatattt attaattaca 420  
 ttgaacagta gtgtgtacaa taaatatctt ggatatttac gaagctttaa tgactgattc 480  
 caaaatgatg atttcagagt aagcatggga atctcatcan gccttcatct ggagctcttt 540  
 ttccaaagta aatagtt 557

<210> 7312

<211> 555

<212> DNA

<213> Homo sapiens

<400> 7312

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 aagtgatccg cctgccttgg cctcccaaag tgctgtgatt acaggcgtga gacaccgcac 120  
 ctgggctcaa actaagaaat attaaaattt tcttcctttt aagatttaga gttaaaggcca 180  
 aataagcaca ctgatgtctt cccctcttct ataagittaa aatgaaacct gaaagcaggg 240  
 tcgatgatta aaagctgatg ttcctaacta gtcttttatg gactgccagc catggtatgc 300  
 tctcaaattc ttctgatgtt cctttactcc taattgaatt gtgaatgttt tattatcaaa 360  
 attcacaaaa ttttgataga atgtgccaaa tatttcctga gttacaattt ctcatttaga 420  
 aacatttget tttaaattctc atacatatcc aaaactgttc tgn cattttc ctgttgacta 480  
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 agctaanttt aaang 555

<210> 7313

<211> 303

<212> DNA

<213> Homo sapiens

<400> 7313

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ctcaagccat ccacctgctt cggcctccta aaatgctggg attacaggca taagccaccg 120
ngcctgcctc cagngagaca tttttaaggg gnggctccat gcatttgaag cttccaaaca 180
cccaacagaa tctcaccagt caccaataac caagatcctn tctgatcctg ngctaganaa 240
atccttaaag gaactagaan aatttccttt gncitttttt tttttttgan acggagtctc 300
gnt 303
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<210> 7314

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7314

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agtggagatg gggtttcacc gtgttagcca ggatgggtctc aatctcctga cctcgtgac 60
cgcccacctc ggccttccaa agggctggga ttacaggcat gagccaccgc acctggccac 120
tttcagtaat attttcta atgtgtttct aacaagtacc atgcatctca gccaaactgt 180
gctactgacc tccaacacac cctgtgggtt tgaaactcag agcctttgct tcccagggtt 240
tacttcatct ggagtatcac tacctaata cttccctctc cccttggtga aaacctgccc 300
gtatttcaag actctctttt tctatagtca tgcattttgt ttcagattta tgtattagct 360
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tctattttcc ccttaacta taaactgaaa tgcaaagaca tgtttttgtt ggggactcat 480
gtgacagtat gccataaga tttgaaacca tttaaaaatg gttggtggtt tgggtgattga 540
aaaccatata aatn 554
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<210> 7315

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7315

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gttgcttcaa gacagtctgt caccaggct ggagtgaag tggcgcaatc tcagctcaca   60
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gctgggacca caggcacggg ccacatgcc cggctaagt ttgtattttt agtagagatg   180
gggtttcacc atgttggcca ggatggtctc caagtcctga cctcaaatga tccgcctgcc   240
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aggaaaaatg catttggtta catgtttttg tagtgtgccc ctcaacacta caaggtgttc   360
cttgtagtga cccagcggt cctgaggctc acgtcccatc tcacctgact tctcagcaag   420
taaccactcc ggggcccttt ccagctccag tgaatccgac ccctnctgac atcctcttag   480
agttttcccc aacaattttt ttacaattt attatttact cattaatttt agacagggtt   540
ttgctctgtn                                     550

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<210> 7316

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7316

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aaaagatgga gtctcgctat gttgccagg ctagaatcaa actgggctca aacgaccctt   60
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ggagatttta aaatgagata gataaggag caaaagtgag cacattacta ttcaggagaa   180
agggactaca cagagagctc tccagggaaa ttttaaagag gaattacagc ccaagaggga   240
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tcgcatcaaa atcacgttcc ctctctgagc cctagtttcc ccaattataa aaacaggccg   360
ctgaatgtct actatctagt aagttcattg tgaataactc tgcaacatgt ggctgttaaa   420
actactcttc aagatgaaga aaatagtttt gtcagttgtg ccactgataa ttctgcctca   480

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ttcatgaaa gggacagagt actctgacat taagaaaccc ttgggacat tggggcaggg 540  
ttnaaactac tctgct 556

<210> 7317

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7317

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ctcttgcccta ggcctcccaa agtgctggga ttacaggcgt cagccactgc acccagccta 120  
gtacctcttt tcttgatcca agttctactg taaaacattt ttggcttgaa agaataattc 180  
tcaagttttc tatgctaaaa atgactgaca atttttcac atgaccacag aacaaacctt 240  
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tgatttaata acttattcaa aactctttgg gaagagtcc tccaggattc ctacatgagt 360  
ttgaggcgct tgtccaagga tggggagaaa aatgttgtct gttgaaacta ggagtcccaa 420  
caggagctgg cccttgagg aaaacccttg ttcctggtat gccggaaaaa cttgccagag 480  
gagcagaaga ggaagatggg ggagctgctg atgggtcaatg gatgnaaccc tgaaataaaa 540  
caggtccaag acatccn 557

<210> 7318

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7318

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agctaatttt tgtattttta gtagagacgg ggtttcaccg tgttgccag gctggctctca 180

aactcatgat ctcaagtgat ccacctgcct cagcctccca aagtgccggg actacaggca 240  
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 gggctactcag agaggttaag taacttgccc aaggtcacac agaattcaga atttacatcc 360  
 agggctgagt cgatagctag aactttcaac cactccattc ttgggggcat ctactgttg 420  
 ccaggacatt accaacagaa acatttggca gatagggaat taggttttct tccccaccc 480  
 cgatcctata ctgggagaaa ataagaacct ttncoccgaa cattgggttat cagnngatt 540  
 caaccocggct ggcgnc 556

<210> 7319

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7319

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 agccaccatg cctggccctt aaattctttt ttgttggttt gtttttgaga cagtctcgct 180  
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 ggttcaagca attcttctgc ttcagcctcc tgagtagctg ggactacagg catgcaccac 300  
 cagcctggc taattttatt tttttgtat ttttagtaga gacagggttt caccatgttg 360  
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 gggattacag gtgtgagcca ctgtgcccg gctttttttt ttttttttt ttgagatgga 480  
 gtttactct tccccagc ctggagtcc agtagtncag tntgggaact caagttnact 540  
 gnaaccttgn ttttcaatt 559

<210> 7320

<211> 582

<212> DNA

<213> Homo sapiens

<400> 7320

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aataataaaa	gcaataacaa	taaaaacaag	atcagactct	cactggggta	ggcaagggac	120
tgaggaggtg	aaaccaaccc	gtatggtgtc	ccagcacggc	acctgctaag	gagggagggt	180
gggaaagccc	aggccttcgt	tcggggtaca	ggaggatgca	ggagagggt	gaggtggggg	240
aggaacaact	ggtgtactgg	gagagagatt	tgggacgagg	gggaaccatc	agcaaaaaat	300
ggagccagga	atcacagtaa	gggcgcaagg	gctgaggcca	gttgtttcca	taaagaagac	360
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gttcgagacc	acctgggtcaa	catggtgaaa	ccccgtctn	tactaaaaat	tcaaaaaaat	540
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<210> 7321

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7321

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ccctntcggc	tgatgcgccg	tcccatcctg	ggctcctagn	gtagggctcc	tacccttggc	120
tccagcaatg	ctgatgatga	gngctgggg	tccccgagga	caggaggcct	ccaggaagga	180
accggcctca	gtccaagccg	tccagggaact	gnggcntngc	cctntcgagc	tgtagcacct	240
gattttctat	gcaccgaaac	tgccaaggcc	agcttgtgtt	gtacanaaat	ggtcgcagat	300
caaacctgtt	gtcctcaggg	ctgtagttct	cggcgtggta	cncgggtgtg	agcgtgggtca	360
tcttgtgtct	gttcatggag	tacttggaga	aaaaccgctt	cactttgtca	gcgacctgtc	420
tcggggtgca	aatgtgtctc	cacatgccga	ggagtttgca	aaacatgcct	gaagggccca	480
attttgggcc	cnnttctnag	gtttcccata	naccganagc	tcccaaatgg	gaatcccaat	540
ttt						543

<210> 7322

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7322

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tacaggcatg ggccaccatg cccggaaaat ttatttattt tttattttta gtagaaacaa 180
ggtctggcta tgatgccag gctgtcttga actcccgcc tcaaacgac ctgtcacctc 240
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gcccagtttt atcagaaata agttctgaat gtattgtcaa ttgtgaaaag acaaaagatc 420
acagttccta atattcagtt ctaatggcat ggttcccaa aatgtaaaag ctgtgactga 480
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gcaaacaaga gggccacttt t 561
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<210> 7323

<211> 534

<212> DNA

<213> Homo sapiens

<400> 7323

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gtagccatga ctgccaggc tcaagtgat cccccactt cagcttccca agtagctggg 120
actacagggt tgcaccanaa tccctggcta aattttttgt tgttgttttt ttagagaca 180
ggatctcgct atattgcca ggctgatctc gagctcctgg ccttaagcaa tcctcccacc 240
ttggccaccc aaagtactgg gattacaggc aggagccaat gcactcagct cagttttttt 300
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tttttttgg ggggggggnt ccagcggtat attttatttc tttagaacat cggttgcaaa 360  
gctgtttana tctttcaaaa acatcaactc ttctttttga cgacaaaatg gtgaataaat 420  
taaattcaga actacagttt gtgaagacac atgacattta tgattcatga aatagaaatc 480  
atgnnctgct aaaataaagt ttnaactggn aaaagcnnat ttaattaaaa ctgn 534

<210> 7324

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7324

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tgaaatcgag atttgaagca gtggttaaaa tataaactca taggggccac tcccttggac 120  
agtgtccccc ccagcccaga cagtacaatg gctcagaaat tacacataga aatgacactc 180  
ctccctccac cctcgccaag agctctgaac cgcaaggccc cacacaagaa actgaatttc 240  
agtttggcac caagcacccc ctcggccctt gcctcctctc cacccttctc ctgcattcta 300  
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agacagcacc agaggctgct gcaccagaag cttcggggcg aggcccagca cccactgtgt 420  
ggcccagctc tggggggcct gccttgcctt gcccctcctg gttcaccttc cccacaacag 480  
ancggncgac acccactgac ttccccagat tggaaagaag accaaaggtc caaggataac 540  
gccggcgccct tccttgggta 560

<210> 7325

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7325

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aacctccatc tcccaggttc aagcgattct cctgcctcag cctccccgagt agctgggatt 120  
 acaggcgccc gcaaccacgt ctggctaatt ttgtatTTTT agtagacacg gggtttcacc 180  
 atgttggcca ggcttgtctc aaactcctga cctcaggtga tccgcctgcc tcagcctccc 240  
 aaagtgtgg gattacaggc atcagccact gtgcccggcc tatcttagaa gtcttaatga 300  
 ctggctacca ctgtcagaat aaaagcaaaa acaagcagct tgcaaaaggc aactcctctc 360  
 ccagcacaat agcatttttg ttcaatgcta cttgtaaaat atcttttact tcactccaaa 420  
 tcaatgcagt tttaaataac tggatttgaa catttgtgga aagaacaagg gatgctgaac 480  
 agggataggg aaggatttta cattggcaaa agcatgangg cctgcctgtt tcagggcattg 540  
 gctntgaaaa gcttcca 557

<210> 7326

<211> 519

<212> DNA

<213> Homo sapiens

<400> 7326

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 cccggcgagg ccgaggccgg ggggctgana agggcctggg tgcctgtcgc ccgggagccg 180  
 aggtttcccg gcctcccctg accccgggag ccaagagcag tcggtcccc ccgcctcccg 240  
 ccggcaaagg ggccctgggg ccagggcgtg cggcccctgt gtggcggcag gcggcccagg 300  
 ccagcgccgg cgcctagaga aggcctccag tccaggcctc atggaagggc ctgcctngcg 360  
 cggcccctca acacccaca gtgtggcact ggaagggacc taaaaacca cctggctttc 420  
 tccttttccc ttccccacgc ttccaaggc ccaatgccgn atnttaattt cgcttttcng 480  
 gaaggfnaag ggttaaaagg ggaggaattt ttaaggngg 519

<210> 7327

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7327

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agaaagccaa gttagtgtga atgatggaaa aaaagatcta catattgatg cttaaccaaa   60
aatctgaaaa tgtgactaaa ttaagaatgg aatgttaact agggtagaga ggtctaaaat  120
atacttttaa aagtgatcag agaggcactg tttcatcaat accctgtaat gatttgcgtt  180
tgaatctagg atactcacag atcatggacc atatacacct atttacaac attaaaggca  240
gtctaagttt agactgatat acataaagtg aataattact tttgaaatga tactattgaa  300
gtagacattg atatacttat tagaccttg cctaagagaa aaaaaaaaaac ctcatTTaat  360
gaaacaagtc aactgccaaa tctgtatgaa aatttatatt gcattatgga accaaatata  420
atgttacatg taaaacacaa ttaaaatcat tatcacagat aataaaactt accccaacag  480
aaacttaatg ataattacca aaggggcaac tttgnatggg ttggnTTTTt tattccacag  540
ggagcctatt tt                                                    552

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<210> 7328

<211> 531

<212> DNA

<213> Homo sapiens

<400> 7328

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aatccatcag tcaatcagca agcatttatt gagcacttgt tgtatttctca gagctccact   60
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gngcagagct actggctana agtgcagtca taaaggagca gtggaaggca ttggtctgaa  180
ctatcacatt cattctggcc atctggacat tggacatgat gcttctgatt gtcagacact  240
catgctccag ctccaggatc tcccaggga cctgcaggac aaatttcacc gccttcagct  300
ccttggaagc cttcttctga atgacgctat caaaatcaca gtctagctgg tcaactgggtga  360
ttggccctgt taggacagcc aaggtgaact caaggccatg aacgtgtggc tgaagggagt  420
gaagaacagg aaggccagtg gactttaagg gcctantaga ccaaaaaggg ccccagggcc  480
ctggaaactt agggctcatt tnttnccaan caggaaactt tggggccctn t           531

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<210> 7329

<211> 543

<212> DNA

<213> Homo sapiens

<400> 7329

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gagacgcagt ctcgctctgt agcccaggct agagtgcagt ggtgcatct cagcccaccg   60
caagctccgc ctcctgggtt cacaccattc tcctgcctca gcctccagag tagctgggac   120
tacaggcgcc caccaccacg cccggccaat tttttgtatt tttagtagag atgggggttcc   180
accgtgttag ccaggatggt ctgcatctcc tgacctgtg atccgcccgc ctgggcctcc   240
caaagtgctg agattacagg cgtgagccag gtgcctggcc ccagagtac aattaatgtt   300
ggcatgtgag gtggtcaggt aagcctacca aaaacgacca ctatttaagg agtgaagtta   360
ataaataata acaaacactg taaagcaaaa gaggcttatt atttagagag atataccaaa   420
aggaactgga aaagttgaaa atgactgctt ctaangggct tgggaaggga atgggggaag   480
gactgctggt tttcataaaa agcctaagga cttagatgggc tgggatgcna ctataggggn   540
ttt                                                                    543

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<210> 7330

<211> 532

<212> DNA

<213> Homo sapiens

<400> 7330

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gaggcaagag tcttgccttt atcaccagg ctggagtgc atggcacaat cttggctcac   60
tgcaacttct gcctcccacg ttcaagcgt tctcctgcct cagcctccc agtagctggg   120
attacaggng cccaccacca cgcccggctg atttttgcat ttttagtana gaanaggttt   180
cgccatgttg gccaggctgg tcttgaactc ctgacctcgn gatctgcca cctcagcctc   240
acaaagngct gggattacag acatgaacca ctgcgcctgg cccgtctctc atcttaatgc   300

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ctttaagctn tttacaatcg tttgagggaa aaagttatct tcacacttcc tccagtaata 360  
aagggaaagc tgcataaggat ggtggtggtg actggccaac ttcaggtccc agaaaaatctg 420  
gaaaggctgg agattncagn gagtgggaac tcganaaggg tagaatttgg agtggctnta 480  
aggggaggcc ttttcccaaa ngggaaggcc cctgggtang gccaatggg at 532

<210> 7331

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7331

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cgtctcagcc tccctagtaa ctagggctac aggtgtgcac ccctacacct ggcttgaatt 120  
tttaataaca ttgaggtttc tttttgtctc ttatgcctgt gtctgtcttc ttcattctct 180  
ccctcacctt taaatccctc ctgtttctgg acagcttcat acgtagtagg tgatgaaggc 240  
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aggcagctgt ggaacagtgg gtggtagggg ggatgtgggc tcagggacca gagacaccag 360  
gtggggatca gggaagtica gattgcgtga ccttggacaa cttatttcca tgggcacttc 420  
aactgccggc tatgtaaaat ttcccaaaca tgccaagaga taagaatccc acatgacctt 480  
ggtaaaaaaa gcagactcct agatcacccc agaccaactg aaatcngaata aacttgaaaa 540  
aggggcctaa n 551

<210> 7332

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7332

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gcatttgaca tttagaccca ctaggcattct taagtagcct gctactcaca agacctacct 120  
 tttcccactg ccctatttta caaacactct tagctctgtc tcctgctctc ctctcctcca 180  
 ggaagctgga gaacaatcca cgaacagtag tgactaanat ggcccctaata gaccatatgc 240  
 ttgtattatg gccttcctt gagtatgggc aggatccatg aatgggatgg aatacattcc 300  
 tttgattaag ttatgctgtg tggcaaaaga gattttgcag gtataaagtc cctaatacagt 360  
 tgactctgag ttaatcaaaa gagagctttt cctctgtggg cctggcctaa ttaggtgagc 420  
 cccttcaaag agggctggag gctgtcctga agacagagat tctttgggtg ggttttgaan 480  
 aaaccaangg ctgtgtgtgg aaangggccc nccttggaag cagngggggg ctcatgan 538

<210> 7333

<211> 552

<212> DNA

<213> Homo sapiens

<400> 7333

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 gataggatac ctgggatatg cacaggtgtg ggtgtcagta gaggtggccc cggaagagat 120  
 cagcacagct cccaggagca cagccagacc ccaaccaggt gtgggatgag gggtggatac 180  
 agatgcctgc caggaacagt cacagaagca cacaggagcc tccaggcat ctgcaggcct 240  
 ctgaggtgag gaccatggc ctacaggtga cttctgatga aacttgacc aggaaccag 300  
 ctgggtgggag acagggcctg ctgctgagcc cctctgacca gagggtctt cctgggttct 360  
 gtgccaggga cagaaagggg gtgtggatgc ggaggctggg caacacttgg ggctttgacg 420  
 catagtgcag acgacacaca gcgcctatgt aagggcctgc tggaggaacg ggaaccgta 480  
 tnccattagg actgtgggct tgggtcact tattgcatca gcttgacttt atctntggct 540  
 gnattttaaa ag 552

<210> 7334

<211> 556

<212> DNA

<213> Homo sapiens

<400> 7334

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caacctccac ctcccgggtt caagtgattc tcctgcctca gcctcccag tagcagggat 120
tacaggccca cgccagcatg cctggctaata tttatatatt ttagtggaga cggggtttca 180
ccacttttgt cagactgggtc tcaaactcct gacctcaagt gatcctccca cctcggcctc 240
ccaaagagta actggattcg taacaaaaat agactgggga tcctggtgaa tagttgcatt 300
tggtaccatg gagtaaaaag aacctctggg ctgcattcga tgagaaactc gaggtgctgg 360
tacagctaac tgaggtaaata tactgggtgc ctgattatca gcagcaacca ttctgggtga 420
tgtcaaagtc aatggagcag gttctgagtt agatgccaaa ngcatttgac ataggactta 480
aatcagacac cctggattgg ctgggncttc tcttgggggt actgggaant tggaatggga 540
ctactggatn ggnaaa 556

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<210> 7335

<211> 542

<212> DNA

<213> Homo sapiens

<400> 7335

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agacgtcaac catcgcttta ttaaggctgc gagtcggggg gctgagtcac gcactccaca 60
gacaccccca ctgctcccaa ggtccacttt tggatgaccc tgaaggcaga gactcctgag 120
atctgggcca caatctaggg tgagccaccc acagtgcctt gctggacagg ggggtatgag 180
gactgcacgg gggggccctc agcagggtgc ttctgccta ggggtggggt ggctccagt 240
ggctcctgggc tcaggcaggg ggggtggcag ggaggcaggg acatccccc gccctctggc 300
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tgaagaagag ccccgggagg gagcaggcag ctctgtgcct ggggcctggc cagacctcaa 420
gggtgctgtg gcctgtcctt gttccctca cttctccagc aatgggtctn cttcaatgga 480
ngtaatcact taaaaatgga cccgaacacg ttttggtnac aancggcgtg gcaagctttn 540

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ct

542

<210> 7336

<211> 546

<212> DNA

<213> Homo sapiens

<400> 7336

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gtaactgatg aatgaagggg gcatcttggt tccccacaat cctgctgtgc gcacaccaca 120
ggtgagccgt tctgcctaag ggaacagccc cgccccctcc ctccggctcc tccccagcac 180
cgtctcctcc acccagtggc ctggccgtgg atgctgcctg tggcccagct ttgagacacc 240
gccctgacac gtgtccagcc ttacgtggaa ggatttgtct gttttgtggc atcctagtag 300
atgccacgtt agtagatgcc atgttagtag aatggatgtg ggcatttctt tgtaagttcc 360
caaaagccta tgagggtttt ttccacgatt ccgttcccag tttggctttt gttgttgttg 420
tggctgttct tggccccctt gggccctgca gtggaatggg gggctgacct gggacctnga 480
actgaggcca gcccctctgc ctgnattttc tggcaacana actgagaatt tgaanccatg 540
cctatt 546
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<210> 7337

<211> 459

<212> DNA

<213> Homo sapiens

<400> 7337

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ccatgctcag ctaatttttt ttaactttta agtttttttg agagataggg gctccctgtg 120
ttgaccaagc tggctctcag ctccctgggt caagcgatcc tcccatcttg gcctcccaaa 180
gtgctaggat tacagacttc agccatcgtg cccaacctg tctataaatt cttaagact 240
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cctccactg agtaacagag tctgtttctt ccccttgaat ctgagccaaa cttagtact 300  
 cagactacag tagaaatgat tctatggtga cttgtgaggc tgggtcataa aggcaatgtg 360  
 gcctgactca tgggagtcct gagctacagt gtaagagggtg tcaacactnt nagctgccat 420  
 gctgtgagga ancccaactg gntnatgcnn agagacaac 459

<210> 7338

<211> 544

<212> DNA

<213> Homo sapiens

<400> 7338

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 tgggaagagc agcaagcagt acaccaggag ccacaggaag agaataaaat acatcatatc 120  
 cggctgctgg acaagctgtg tcagggagtc actctgcggg ctgtggctcc ccagtgcacat 180  
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 tgctgcgttc ctcaactgaa catagctaaa atgatccgat tccgaagacc tatgagtatg 300  
 tcgtcgaagg taaatgctgg agtcactgtg actagtcctg gaaggaatgc tgtagtcgct 360  
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 ttctacgtgg tccacatgtt tccttttttc ctttttttta ctactgattg attctttcgn 480  
 tacattttct ttttaaggggg ttgctatggt ttccaagggt gggggaattc ngggaccgan 540  
 ggct 544

<210> 7339

<211> 507

<212> DNA

<213> Homo sapiens

<400> 7339

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acaagtagct gggaccacag ggggtgtgtgc caccacgccc agctaatttt ttgggtcagc 120  
 caggcacagt agctcacgcc tataatccta gcactttggg aggccaaggn ggatgggtca 180  
 cccgtgatca ggagttcgag accagcctgg ccaacatgac aaaaccccat ctctactaaa 240  
 agcacaaaaa ttagctgggc acaatggcac acgcctgtaa tcccagctac tcgggaggct 300  
 gaggcaggag aatcacttga acccggggggt gaaggttgca gtgagctgag attgcgccac 360  
 tgnactccag nctgggcaac agagcgagac tccatctcaa aaaaaaaaaa nnaaagagag 420  
 agacagggnt naccatgntg cccagctga actcaaaact ccgggccaaa naagggtccg 480  
 gccccgcttc aagggcngga atacagg 507

<210> 7340

<211> 540

<212> DNA

<213> Homo sapiens

<400> 7340

gagatggagt ctactctgt cgccaggctg gagtgcagtg gcacaacctt ggctcactgc 60  
 aacctctgcc tcccgggttc aagggtattct cctgcctcgg cctcctgagt agctgggatt 120  
 acaggcacac cccaccaccc ccagctaatt tttgtatfff tagtacagac ggggtttcac 180  
 catgttggcc gggatggtct cgatctcttg acctcgtgat ccacccgcct cggcctccca 240  
 aagtgtggg attacagggg taagccatta cgcccggcca gttttgtttc ttttctcaaa 300  
 tattttccat ccgtgggtga ttgaatccac aaagacagag actgcgagct gactgtactg 360  
 caaagtgtct ggatcttaag gacacagggc ctctaggcca gccttcaacc cacctggttt 420  
 tcagatctgt gtcaccatga ggggagcaga tggctctgagg atgggccccca nccttcacag 480  
 nagccaagct tggctttttt ctaaggttta aaataaaacc ttttntttg nanttcngga 540

<210> 7341

<211> 551

<212> DNA

<213> Homo sapiens

<400> 7341

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atctagaaaa taacatttta aaaaatgaaa atattttaca ggaaataaca tttgtacata 60
ctcataacag tctcaaagag aaaacgattc ctctacccac agaacgcttc tgaaatcaca 120
tgtgtgtaag cctttccctc cacaccaacc agctctccaa ctccctctca gacaccaacg 180
cgatgtccta caatttaact cgattctgtc accaattgcc cggagctagt gcagaaccca 240
cagggtgaagg ggtcagtcctt acaagaccac cccgacttca gatgccaagt gcagacgggtg 300
ggccccgggg accccacgac ccccttctca ggttccaatt ttttttttg agatgggtct 360
ctctgtcgcc caggctaaag tacagtgtcc agatctccgc tcaactgnaac ctccgnctcc 420
aggttcaagt gattctcctg ncccaggctt ccaagtagct gagattacag gcgcacgcca 480
acaagcccaa ataaattttt ggatttttag gccanaaagg gggtttgcc tngttggncc 540
anaaagggtt t 551

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<210> 7342

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7342

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gctttctttc tcctttgggg ggaaaaaaga gtaggtgaga gtatatataa aacacgattc 60
tcttggcaat tgggtgcctgg ttttccactt tttttttttt ttttaatttt tatggttttg 120
gagtcagggt cttgccctgt tgccgaggct tcagtgcagt ggagcagtca tggctcactg 180
cagcctcgac ctcttgggct caagttgtct ttctctgtg gtcccctgag tagctaggac 240
cacaggtgct agtactcctg gctaagtta aaattgaggg tcttgcctg ttgtccaggc 300
tggtctcaaa ctcttgggat caagcaagcc tcctgcctca gtttcccagt gttgggatta 360
cagggtgtgag ccacatgcc tggcgtaaga tatatttaag tcagcagaaa acccaagtga 420
cattttaata taattcagat aatcctgagt caagctttgt aggctgaagt aaatgaaggg 480
ccttccttga ggcccttttg ctctggggca ttgnggggca ccaaccctg ggggtggncc 540
tttgcaa 547

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<210> 7343

<211> 550

<212> DNA

<213> Homo sapiens

<400> 7343

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aaaactttat tctttatttc atttacaagc taccaaatat tatgtatcgt acacagtgct   60
gaacacttaa atggctgtag tcatggaagg atccagactg aatggaaagc tgttgagaaa  120
gaaaagataa aagcaaagta atactgcaac aggaaggtgg caaaagcata gttttgccat  180
aataaaatca attagatttg tgattataca tcagttccgg ttaaaatgtc tgagcgccat  240
gcgattttca gctttattgt ctgcagtctg actaaagtct gtatagtcac tttgtctttt  300
gcagttatta aaataaaaaa aagttaaaaa ctatagcagc aacaagcaaa ccctgtgaca  360
ggaaggcaag ggttaagaac taaaaagagt ttatacagtg tgttcagggc aagtgtgcag  420
tttatcttcc atcagcagga gttcgactga gggacaacat gattcgggca aatcgctcac  480
agagttcatg cctggaatat gaaaggtact tcggggctca tnggaacttt taatcttcat  540
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<210> 7344

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7344

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gagacggagt ctcaccctgt cgcccaggct ggagtacagt ggtacaatct cggctcactg   60
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atgggcgcgt gccaccatgc ccagctaatt tttgtatttt cagtagagat ggggtttcac  180
catgttgccc aggctgggtc cgaactcctg acctcgtgat ttgcctgcct cagcctccca  240
aagtgctagg attacaggga tgagccaccg tgcccagctt tttttttttt tttttttttt  300

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taatatcaaa cgcttcatga atttgcacgc catccttgca cagggacat gctaattctc 360  
 tctgnatcat tccagtttta gtatatgtgc tgccaaagca agcactccag cctactctag 420  
 gcctttgacc ttgctgacag gaaganggga ntgcangtct gggcttccan gggctgggtc 480  
 gacccggggc caancattct aacttggcat accacaagta gggctttgct ggattc 536

<210> 7345

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7345

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 tacaggcgcc caccactatg cctggctaatt tttttttgta tttttaatag agacagggtt 180  
 tcaccgtgtt agccaggatg gtctcgatct cctgacctca tgatctgccc gtctcagcct 240  
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 acaaagtttc caagaacata cactggggaa agaacagtct tttcaataaa tgggtgggtgg 360  
 aaaactggat atccacatgc agacgaatga tacttgatcc ctatctctca ctttacacaa 420  
 aaatcaagtc aaaatggatt aaaggcttaa atctaagacc tcaaactgng aagtaccaca 480  
 agaaaacatt gggggaaaca cttnaggaca tctggctggg caaaatgggt ttgagtaatn 540  
 ccncaa 547

<210> 7346

<211> 515

<212> DNA

<213> Homo sapiens

<400> 7346

gagaaagggt cttgctctgt cgtctgggtt ggagtgcagt ggtgcgatca cagcacactg 60

cagcctcaac ctctaggctc aagagatcct cccacctcag cctcccaagc agctggtacc 120  
 ataggcgat gccaccacac ccagctaata tatatatcc ttgctgcaat ggggtctaacc 180  
 atgttgccca ggctggctc gacctcttg gctcaagtga tctcccacc ttanactccc 240  
 aaagtgtgg gattataggc atgagccact gtgcctggcc tanaactgct tttcttaaga 300  
 tagtaatggg ggcaagggtt ttataaata aatgcctctt cctacaggac aaaatcatat 360  
 gataattttc tattaagata ttattcaagc ctcagggtga aaaaancctt gaagatacct 420  
 tttttaagg cccctgccta agtncagctt aagaaagcta ttaactnagt ttncacacct 480  
 ntgctaaacc caggngatnt aataccatgg accng 515

<210> 7347

<211> 576

<212> DNA

<213> Homo sapiens

<400> 7347

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 ttacaggcat gcaccaccac gtcccactaa ttttgtatit ttagtagaga cggggtctct 180  
 ccatgttggc caggctggc tcaaactccc gacctcaggt gatccgctg cctttgcctc 240  
 ccaaagtgt gggattacag gtgtgagcca ctgcaccgg cctatgtgtg tctttacagg 300  
 tgagtgtgtt tctttaggc aacagattgt tgggtcttaa ttttttttt tctttttttg 360  
 agacaaggct ttgctctggt gcccaagctg gaggatgatg gcatgatctc agctcactgc 420  
 agcctcaat tcccangctc aagtgatctt nccaacntaa cctntggagt ancttggact 480  
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 ccagactggg ctanccaagg ctgttgaacc cttaacn 576

<210> 7348

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7348

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gagaccgagt ctcgctctgt cgcccagcct ggagtgcact ggcgcgatct cggctcactg 60
aaagctccgc ctcccgggtt catgtcattc tcctgcctca gccttccgag tagctgggac 120
tacagggtgcc cgccaccact ctcagctaatt tttttgtatt tttagtagag acgggggtttc 180
actgtgttgg ccaggatggg ctcgatcttc tgacctcatg atctgcctgc cttggcctcc 240
caaagtgttg ggattacagg cgtgagccac cgcgcccagc cctggatatg cttgcttttt 300
gaaaatttac caagctgtac atttatgatg aatgcacctt tctgtatgtt ttattccaat 360
aaaaataagg agtaaacata atcctgattc taaaactgaa caaaaagaat gctgaaaatt 420
ctttctgaat taattttaaa cttttgattt ttcaaaangc atgcttctac tnctaacttt 480
ccaagttctt tgagaaaact ttcctatgac tagcagggtt aatgacacca gnggggacag 540
aaacntgcng ggaaaaagnc a 561

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<210> 7349

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7349

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canatttaaa ccgtnnttat ttntacagca acatntgaaa atagagagca gccgcctcac 60
ccgcaacagg gggagcccct cctgccacca ggggaccgtc gccgcccctc gcganaagct 120
gcaggcgttg ggggaggcga ggcaggatgg ctcggtgggc ggtgcccggg gcgggggtcgg 180
ccgtgccttg gcggggccgg gtgggagggg cagtgcntaa ggccgggatg cggggcaggg 240
cccggcgggt ggaggacgga ctaaggggag gtccccgtcc tgggccacgg ggcgatggcn 300
cgggtaggac ncatccctca naggccagga ggagcgcgag aaggtcccag gacccccttg 360
ggaggccccg ntcccganaa tgtagagcct gggagatacc accgcacgga atgggggtga 420
ttaangcctg gccggtacca ctngaaaang gaccanggga agncccggta ntaccngng 480
actt 484

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<210> 7350

<211> 490

<212> DNA

<213> Homo sapiens

<400> 7350

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ctctgcccc ggtgcctcac ctccccctca taggccttct gcacactttg gggtaccct 60
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cagtggctga tgggaaggca ctttcgtccc tgggagaccc aggcaccaat tctccgctgc 180
gcgttttttt tttttgttt gtttgtttt ttttctgcca caggtgcctc atctctctg 240
cctcaaacct cagctgaaac ttttgggcct tctttctctc ttgggtact cgtagcagcc 300
tgaggcgcag cgtgggctcg aaccagggat gtcagcgtcc tcgggacca gctcaagggc 360
tgacggaaag acactttcgt cagtggggga cccaggcccc gnttntccgn tgcgcggttt 420
ttcttctttc tctgccgaan atgccttaac ttccttaag ggctttctgn ttttctggg 480
gtaccctanc 490

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<210> 7351

<211> 571

<212> DNA

<213> Homo sapiens

<400> 7351

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cgtggtttag gccccatggc ctacagtcct ttattagagc gagagtcccg aggcccagcc 60
cccatatatg atgggtccac ttgagtctcc ttaggcgccc catgaggag taacagcttg 120
ggtagagagc tagggacctt gccagcctg accctggggc aggcaagcgg cccccagcc 180
cccaccacca cccaggaga gggcggggtg agaaccggag tcaaattctg ggccgggtcc 240
aagcgcctga gcgcccgtt tacgcaggaa atagtccagt tctcagaagt ggtctaacca 300
gccccagccc cagcccggca ccacctggag gtttaagta catggaggag aggagtaagg 360

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cggacttagg ccctggtatg gagaaagggt gaaggagag agaggacctt gcgctcanga 420  
 gggagcgtgg tctatggcgg gaaccacggg tcccgaacgg gcgtggccga ctgtgccgga 480  
 aggccccgga tccccgtggc caaggccagg cccaagggcc ntnagggccca aggtgcccc 540  
 cagtgggctt caacaangcc ccgggcnaaa a 571

<210> 7352

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7352

gattatctgt agacttcagt agcttctgtt aacctgtctg taactgccat ttgcatctat 60  
 ggaaattggg tcctaagcca attaattgct tttgaattgg cttgggttcc taccagggt 120  
 ggtgcagtcc ccctgcaggt gactcaggat ctcccgtgt gtaaacaggc ggaaggcaat 180  
 ctgctcacac tcttgcttgg tcccacattc aaacaaacac ccaaacaagc cctcctcctc 240  
 cagagcagcc agatcagagt agccacaggg cccacagtgc aagatccagg ggcgggacca 300  
 gcaggcagcc tccaaggggg tctggttgag atagatacct aggtcaaccc tctgtttcct 360  
 actggttggg tgtgagtaca agagccatga ttctgacggt gttccagctt cctccttcag 420  
 cctcagtga ctgcctggag agctctgctg aatggtgggt gcctctttgc tgctagaagt 480  
 cctggcacct atnggatct caaggggccc gaacttacac actccttggc aacctgtgg 540  
 gggcttacan aactgcnaat tanggcc 567

<210> 7353

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7353

ctttctttct ttttcttttt tttagatgga gtcttgcaact gccgcctggg ctggagtgca 60

gtggcacgat ctcagctcat tgcaacctct gcctcccaag ttcaagcgat tctcctgtct 120  
 cagcctcccg agtagccggc attacaggcg cccaccacca tggccagcca atttcctgta 180  
 ttttcagtac agacagggtc tcaccatgtt ggccaggctg atctcgaact cctgacctcg 240  
 tgattcacc acgtcggctt cccaaagtgc tgggattaca ggctgagcc actgtgctca 300  
 gcgtgtttgt gaagtttcat gtcattactt atctataact cagacagttt actcatgaat 360  
 aatggcagtg cttgccccac agggaggtaa tgaagaaaaa tgggaaacat ggggaatttc 420  
 ctacctatta gacctgtagt ggaggctctt ctgggagtga agcttgctgg tcctgccact 480  
 tttatctact tnaaagccta atccttaata agnactgnta ttctnggacc tatttaaggc 540  
 aaggnggcn aatttaagta ccggaacttc caa 573

<210> 7354

<211> 417

<212> DNA

<213> Homo sapiens

<400> 7354

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 aagctccgcc tcctgggttc acgccattct cctgcctcag cctcccgagt agctgggact 120  
 acaggcgccc gccaccgcgc ccggctaatt tttttttgt atttttagta gagatgggg 180  
 ttcaccgtgt tagccaggat ggtctcgatc tcctgacctc gtgatccgcc cgcctcggcc 240  
 tccaaaagtg ctgggattac aggcgtgagc cactgtgccc ggccttcaat tttatttaat 300  
 aattatgcat gtgtgggatg caatgngata ttttgatacg tgtatacaat gngaataatc 360  
 aaattagggt acttaacata cctgncacct aagaatggnn ntnataatat ttatttg 417

<210> 7355

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7355

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ttttataatc caaaaggaaa atgattcaag aaaggatttc attgtgctca gtttcaaaaa	120
atataaaaat ggacatcaga ttagagatac aagttcatac gctgaactga attgtacata	180
ccaactgcct ggctatggaa acccgtgact tgacttaggg gtgctgatga catgatctcg	240
acaagaacct cctagcaact ctgagggtga ggcagcacag ggatgcgggtt cctgggtgagg	300
agggtcctca ctggtgacc aactgcctg ggctcacagc tggagggtc acccatgagg	360
gacacgggtg gacaccact gcttcacatg cctaattcac attagaaaca tgtaaagcca	420
ttcagtctgt gcaataaaga gatcctgtat gaaatccact cattccttgg aaggnaactg	480
gccngaggca cgctctggtt gacgggtgacg cacaagtctt canggnctgg antgnatcat	540
gacacagacc cncgtgaaca ccca	564

<210> 7356

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7356

gagacagggt cttgctctgt caccagggt gcagtagtag ggcagtggca caattatagc	60
tcactgtagc ctgcaattcc tgggtcaaa caatcctcct acctcagcct cccgagtagt	120
tgggactaca ggcctacacc accatgcctg gctaattttt aaatttattt ttatttttgt	180
agagacaagg tctcactatg ttgccaggc tgggtctcaa gtcctagcct caagtgatcc	240
tcccatttca gcatcccaaa gtgctgggat tacaggcatg agtcaccatg cctggcctca	300
tcctcctcct tctctctccc aagttgccca gctacctctg gaaagcattc cactggctgt	360
ggctgcccct aaaccattaa gcaagtgaat ggtagtacta cagaccttgg atcaagacaa	420
agaatgtccc agatngggga atcaggacca aggacttaag gttgcattat cagncccaaa	480
cacctaagtg ggcagggttg gaaattctgg attactgnna agngcttctg gaaaaggatg	540
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<210> 7357

<211> 541

<212> DNA

<213> Homo sapiens

<400> 7357

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ccaactaggt tttatatttag tttccaatat tatgagcaat gatacaggag taactcaagc   60
aaatacatca ccctaaatac atcagagaaa actcactgtg tcagcacgtc ttgcgctcca  120
gcaaatgaac ataaaaacaa caatgtcagc agcattaaag tgcttttggc catacttctt  180
tcagaaaggg tctctccctc agtggtataa atttaatttt acgtattgaa gaagctcaaa  240
atttcattca ttccccaggg gctacattga aaaaaaattc atgtttacgc taaagaattt  300
tttttttttc aaaaagagca caaaatccat tggaattgtg tgacagtgat tttccctgac  360
atgctgtgaa gtggccccctg tccattcagg cccggcacac gccgggaaca tccaccacac  420
gcatgtccac ctggcaaagt ccatcacttn gnccacacac acaggacaga ctgagggtctt  480
taaatcccag cgggtntgtg acngggcatt anctgggatg nggccccaac aggncccaag  540
g                                                                           541

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<210> 7358

<211> 433

<212> DNA

<213> Homo sapiens

<400> 7358

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ctgccacagg tgcctcacct ctcttccctc aaacctcaac tgaaactttt gggccttctt.  60
tcctccatgg ggtactccta gcagcctgag gcgcactgtg ggctcgaacc agggacgtca  120
gcgtcttcgg ggcccagctc aagggtgac ggacactttc gtccgtgggg gaccagggcc  180
ccgtttctcc gcggggcggt ttttcttttt ctctgccaca agtgcctcac cttccctca  240
tgggccttct gtccgacttg gggtagccct agtggccaga cgcacaccct gggttcgaaa  300
ctgggacact aggttccccg gggcccagcg caagggtga tgggaagaca ctttcttctt  360

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tggggaccca ggctctgctt ntccgcggcg ttttttgnt ggtgttgntg ntggttingtt 420  
 tttnggtntt tgg 433

<210> 7359

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7359

cgctcttggt gccaggtta gagggaatg gtgtgatctc agctcaccgc aacctctgcc 60  
 tcctgggttc aagcaattct cctgcctgag cctccggagt agctgggatt acaggcatgt 120  
 gccatcacgc tcggctaatt tttttatatt tagtagagat ggggtttctc cgtgttggtc 180  
 aggctggtct caaactcacg accgcaggtg atccgcccac ctccgcctcc caaagtgtt 240  
 ggattacagg cgtgagccgc cgtggctggc ctgaaaaaca aagattctta aaggttccaa 300  
 ggttctttta aaaaaaaaaa aaaattgcta ctaggtaata ttattcacct ggggtggaaat 360  
 gaccgagtaa gaaaggtagc agagagcttg caatattgaa tcaagtctga tatattgcga 420  
 gaatgctgct ggcaaagaat cattaattgg aaaagtagaa aaaaagaaac tngaaataa 480  
 gcagnccaaa agccaaacca aaacttggtg gaaacacatt gatttgccaa tcgtaaaagt 540  
 ntaagggn 548

<210> 7360

<211> 148

<212> DNA

<213> Homo sapiens

<400> 7360

gccaaagccc tgggaattgc catttattcc caaagttgcc aaaatcatca ccaaggattc 60  
 accgagggtg cgtgagcggg tgcgtgagg gaacgaggag gctcaaacac tgactggggg 120  
 ttgggagttt ggaggagggg gnnnnnnn 148

<210> 7361

<211> 469

<212> DNA

<213> Homo sapiens

<400> 7361

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aatcaaaac ctgaaatctc ctgaggaatc ttagaataaa ctaaaaagac gaggaatgag   60
tgaatctacc tagaaggtac ttgtttttcc acaaaattgg gtaaacagaa gttgctgctg  120
ttatttggga cttaacagac agcagttagt aaagtcaata aaaagtatta ggggccgggc  180
gaggtggctc atgcctgtaa tcccagcact ttgggaggct gaggtgggcg aatcatttga  240
ggtcaggagt tcgagaccag gctggccaac atggtgaatc cccgtctcta ctaaaaattc  300
aaaaaaatta gccaagtgtg gtggcgggca cctgtaatcc cagctactgg gaggctgagg  360
caggagaatc gcttgaaccc aggaggcana gtttgcaatg agccaaatcg cgccactgct  420
tttcaacctg ggcgactgag ccagactctg tctcaaaaaa aaannnnnn              469

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<210> 7362

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7362

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cggtttcaca actttattaa aaataaattt ataagtaaac aaatcgtaac tttatagatt   60
aaagttgatt gggattaagg agaacctggg tataagagga tctggtacag agaggtctca  120
ggatcttttc ctgagtggga gtacatacga ggtagggaag agaaaacaac aaaccagaac  180
aaagttgctg ctcccaggtc ctctttcatc ctccaccttc ccacacagca ttctgacagc  240
ccctgagctc tcttcaactg cactacaaaa gggcaggcca cccccagcac agtcaagtcc  300
tgagctccct ctgcttgtag ccaggcacca tgtagtgat ttccacctca gggctttcct  360
tttaaaatcc acacccaca tgcctttgca agtcagctct ctcacctctn catactcatt  420

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tcactctttc ccaacttccc ccagcccaac cttttgccag cttccttcac tcactggaat 480  
 tttccctctt ctactattnc nggaaccatt tatttcattc aagccaggaa gccatgccat 540  
 tgccagaaaa cncattttg g 561

<210> 7363

<211> 526

<212> DNA

<213> Homo sapiens

<400> 7363

gagacagagg cttgctctgt caccacgcc ggactgtagt ggngcgatct cggctcactg 60  
 caacctccac atntcgggtg caagcgattc tcctgcctca gccttgcaag ttagccaggc 120  
 tgtttacaga taccaccac cacacctagc taatttttgt atttttagta nagacgggat 180  
 ttcacatgt tggccaggct actctcaaac tcctgacctc aagngatctg cctgccttgg 240  
 cctcccaaag ngctgggatt acaggcatga gccattatgc ccggctcctc tcttaacaca 300  
 ctntgcccta taacatcttt ccaaaaatct ttttttatgt ggggtgtgcct ggtggggaga 360  
 aggaatggag catttaacat agtaaataaa agtgagatat tccaaatttc tcatttttac 420  
 actatgggat aaggatgttt aatactaagg gaaaaattaa ctggtggact ggcttctata 480  
 gcttaaggaa tnttaaaatc cactitanat tnggatttcc aaataa 526

<210> 7364

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7364

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 ctccacctct cagtttcaag cattctcctg cctcagcctc ctgagtagct gggattaccg 120  
 gcacctgcca ccacaccggt ctaatttttg tatttttagt agagatgggg ttccacatg 180

ttggccaggc tggctctcaaa ctcttgacct caagtgatct gccacctcg gcctcccaaa 240  
 gtgctgggat tacaggcgtg agccactgtg cctggccacg aagttcagac cgtagagttt 300  
 ttcataatgc aattgaaacc ttatatctt atgtttcgga caggctgggt acttaactta 360  
 aatctttgaa aaaaaaattg aattcaactc tcagaaagct tatggccttt tgcagaatta 420  
 taagtttaca aatacctggc atgcacttaa gtgataggat cagattanna aangngcaac 480  
 atgcttcttg gtttaacacg cctgaaataa acttaaagga accagaagtn cctngg 536

<210> 7365

<211> 538

<212> DNA

<213> Homo sapiens

<400> 7365

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 gatttaaagc tgtctacata aagaaacaac acaactagct ggaaagggga aaacctagtc 120  
 tttcgagcag caggttatgt acacagtatt aaaaaaggaa tatagattgg ggttgttttc 180  
 tttttttaa aaaaccagtt tgagtagctt atctggcctt gtgtcaaaaa caagccaaaa 240  
 gttttggaac tggctggaat gtgctgaggg gcaacttggg aaaacggcag ggctcactca 300  
 ttcctgggag tatctgattg acacagagga cgctgttgaa ctggggcctt atctgaaaag 360  
 agacaaaagg atcatccgag tggcaactga tgggcccttc tagttctcag acactctaca 420  
 taggtataga aagcttttgt cagtaaaaac aaattagtga actgaatgaa attttaaata 480  
 ttgaatccag ggtttctaca ggcttccttt cccatgggtt aaataccggg gcattatt 536

<210> 7366

<211> 524

<212> DNA

<213> Homo sapiens

<400> 7366

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 acctccgcct cctgggttca agcgattctc ctgcttcagc ctcccaagta actgggatta 120  
 caggcgcatg ctaccatgcc cggctaattt ttgtattttt agtagagacg gagtttcacc 180  
 atgttgGCCa ggctgggtctc gaactcctga cttcagggtga tccgcccacc ttagcctccc 240  
 aaagtgctag gattacagaa gtgctcggcc tcaaaaattt tgaaaagaaa cttagttgtc 300  
 aacatgattt cataatagac tgcatactta gtgttacgct ttcccattca attaaaagta 360  
 ataatagtct gaaaaaaaaat aattgtataa aggaaagtct actttcagat atgggtagct 420  
 ttcaacctat taagttctgg gattttggna actgaagacc ctttcatgng tcccaanagg 480  
 ncatcttatt ttaaaggggc tatgctnaac tnaantggcc taaa 524

<210> 7367

<211> 536

<212> DNA

<213> Homo sapiens

<400> 7367

aaagacagtg tctccctgtg ttgcccaggc tggctctgaa ctcttgggct caagagatcc 60  
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 atttctcaaa gtacaatata ccataaggta aaggtttgac attaatgaca gtgaatatag 180  
 attcatactt cctatcatct tcatgttaat ttttaaacat ttgtccaac ttatcaggtc 240  
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 ttgcagaatt taaaaccttt tagaacaigt gtccatgtgg ccacacatat tataatgggac 420  
 gaataaatcc atataactaa gcagatatag aatgcaaaat gctcaaagta aacngaata 480  
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<210> 7368

<211> 545

<212> DNA

<213> Homo sapiens

<400> 7368

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cctctgctgt tgtagatagt gcttttttca gccaacagct cttaggtgga gcaacactca 180
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catctgaaca caccagacaa tgattactga ttacagaatg gggaaaaggg aagcanaggt 480
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<210> 7369

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<212> DNA

<213> Homo sapiens

<400> 7369

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tgagtagctg ggattacagg tgtgtgccac tatgcctggc taattttttt gtatttttag 180
tagagatggg gttttgtcat gttggccggg cttgtctcaa agcctggcct caagtgatct 240
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acgcatcttt tctatagtat caattaggca gcaacatgcc caggaaagca ggccctggaa 360
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ggggccgagt cataagcaga ngtcaagggtg gagcctttca naagaggact ttctttcctt 480
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ggccttaatt tgg

553

<210> 7370

<211> 548

<212> DNA

<213> Homo sapiens

<400> 7370

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tacaggtgtg agccaccata cccagctaatt ttttaaattt tttgtagaga cgtgggtcttg	180
ctatgttgcc caggctgggt ttgaactcgt ggggttcaagc aatcccttca ccttggcctt	240
ccaacgtgct gggattatag gcatgagcca ctgtgcctgg ccctttgttg catttctaatt	300
aaacttctta gaagagacca aacagtttga tttttaaaagt caagtacaaa tttctattaa	360
ggaagtactt attttcagtt aaataagtca taaaatatac caagaataaa gtttgtatct	420
agctagaaaa actggcagaa gtttcttaga acattctgng atcatattta taccctgta	480
tcatactgn caaaaataaa aattggaaac tagatcactg gcngnttata atcnggaagc	540
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<210> 7371

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7371

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ctgggtcatg ggaggagggg aggctttata accaagtaaa tttggagaaa tactggatta	180
aaaaaagcta agcaagtttc tttactgaag ggcttcttag agccattaat aagcttatta	240

ataagcttat aggctccttc gttctctaag aggggaacat ttcgtcatgg aatccactcc 300  
tcatagagca tctcggagga ccaagttttc actttgagaa acacttccag aaaccagcc 360  
cgttatcatc cctggctcan gaggggtggt cctgaagctg tggttcttgg ctacgtgct 420  
ctggggactt gcagaatccc ttcttctgaa aaagtatggt agttcgcatg caccacatn 480  
gaangatcta taanggccga ctnttttaaa ctcantattg ggagcccaa tagggttagg 540  
gaaanaagcc cttt 554

<210> 7372

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7372

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gccgcaactt ttaaagaaat tcagtcacct gagggccact gaatttcctg ggcctccatg 180  
gacaggtgct gaagtgtcca catataccag catcagcaga actctaactt ttacacagta 240  
ggtgctcaat aaagagaggg caagaccacc aactgggaag gacctcctc ttagtaatga 300  
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cttgacgatc ttctcttctt catgaagata ttttgnctc tcttgctcca ctaggacgcg 420  
ctgtcgctgc acgggatccc ccagtctctt cattgggtcc atcactttgc cactgatttc 480  
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aatcaacctt aggggtntg 560

<210> 7373

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7373

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aggcatgcac caccaggccc agctaatttt tgtattattt gtagagatgg ggttttgcc	180
tgttgcccag gctggctctg gactgctggg ctcaaacaat cctccgcct cagcctccca	240
aagcgctggg atgacaagtg tgagtcacca agcctggctc atttactctt taacagaaaa	300
atttattgca cagacatttg taatgaatca gtaacattaa caaataatac caacacacct	360
caatgccttc atgctatact taaaaaacag aaggggagaat gggatcactg tgcaagaaat	420
aattcttcac agaaagtttc atgtgagggt ttccaaaagc ccccttgtag ccattccctg	480
gtgggnactt aactttcaag gaactttccc tgggaaagga ggccttttat attgnatttg	540
ctttaagggc nanacctggn	560

<210> 7374

<211> 547

<212> DNA

<213> Homo sapiens

<400> 7374

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aaccacaaa aagacaagaa gtgagtgtaa gattataaaa tgtaaatgat gaaattccag	180
aacaatgtac ttttctcaag ctctgctgca aatttaacac aaacatcagn gtttaattaca	240
ctttgtcatg tatgactgag ctgctttta gctcttacac tgaaaggaag tctcatttca	300
tgcacaaaat ctgttgcatg cctggcttcc ttaataaaac tacagttgaa catttccagn	360
gtcaaaaaaa attcaacgaa gctaaactac aggaaaatgc aggttagtag acttttaact	420
aatgcttctg aggaataata taaagttatc aaactgatac ttagaaacaa aagaaaagac	480
attggcatct tggnaatttc attagtttca ataccaaca ttntcnaagc ataaaatttt	540
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<210> 7375

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7375

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aattttttta attttttttt tttttgtaga gacaaagtct cattatgttg cccaggctgg 60
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agggtgtgagc caccacacca tgcctacaga aggctttaaa catttccaac gtgagtcata 180
cagtaactca aaaattacac gttgtcttct cttacaagca gtgacttcaa agaacacatc 240
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accttatgac aagcagaaaa gggagtctta taaactccct gntttttaac ccctgagcaa 480
atgnctcagc atattctggc atcggttcgc tttatctcta actctatctc taaatncagg 540
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<210> 7376

<211> 508

<212> DNA

<213> Homo sapiens

<400> 7376

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gagacagggt ctcagtctgt tgcccaggat ggagtgcaat gccgtgatct cggccaccac 60
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ataggcacac accaccatgg ctggctaatt tttgcagaga tggagttgaa ctcttgggct 180
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cccagctagc tgtgagtgtt ctttttaatg ttcggtatat tatgatgttt tgacatctta 300
aaaacaaaac taaatgaaaa agaaccttcc tagctgggga atgactgcc ctcctgggggt 360

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tagccaagtc ttatgcatag caagggctca gccaggagta tgcccttgat ctgcaaactg 420  
 accaatccag agactccatg ccgncctctag cangcctgta caccacagga gacaatattc 480  
 cttgcntang catccanggn cangtcca 508

<210> 7377

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7377

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 tcgatcttat atttgaggaa tgggttgcaa cacgattaac cacatcttgc ttcctccttt 180  
 ccttagcaat ctcgtttgct gcagcaacca tccgtgcccg cagctctctc aaggatgggc 240  
 tgccgccagc gccagctgcg gcgccgtccg ccatcatcag caaggcggcg caattctgtc 300  
 aaaatttttg ttgccgcctc ggcatccta atacctgcag tactcttatt accagactct 360  
 tcatagatca tatgcctttg gctcaaagcc tcacatctgt tagtggtttt agaaactggt 420  
 tctttttct ttttgacagt acttgatgca ctttgacag acaggggtgtg ttgaataggc 480  
 attattttat aagggaataa antctggggn gactgggttg naanaaagg gaaaggggaa 540  
 nggagggcaa ntntttttg 559

<210> 7378

<211> 481

<212> DNA

<213> Homo sapiens

<400> 7378

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cacaggcgcc caccaccaca cctggctaac ttctctatTT ttagtagaga cggggcttca 180  
 ccatattgcc caggctgac ccgaactcct gacctcaagc aatctgcccg ccctggcctc 240  
 tcaaagtgt gggattacag gcatgaggca cggtgGCCag ccattcaacc attaatgcat 300  
 tactttagtc actcacggcc catctcaatg aaattgaggg caaagaccag ccgntcagg 360  
 cagtgtcagc cctcanaatt tattagttag ggcncactgc gttcagggga aggcatanag 420  
 gagggactgc agttcctggg ctnttnaana ggacccccan cccttattaa aaagttgnga 480  
 c 481

<210> 7379

<211> 558

<212> DNA

<213> Homo sapiens

<400> 7379

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 aacaatcaat catattgccga gaagaatcaa tgaccagacc ctactgcacg ccgagtgggt 180  
 gcgacaggct tagatattgt tagaggtttg cttctgctgc caaacgttt gcattctcct 240  
 ggggacagtg ctctcctgat gtgactctta ttctgaattt agagcagaag gtggtggcat 300  
 atacctggtg agaccaggg agggcaggat cagcaccatg aagatcaaga atatgtagac 360  
 tttggtcatc atgatctggt tttccccga cctgcaggaa gtcaaagggtg agcactcgca 420  
 gtccccaaa tgctctatgt gccccagtg angcccctgg catgtgcccc ctggctgagc 480  
 ancttggggg ntaagggtgt gaccaaggga ccggcanaga tatncctntt aaggcaaggc 540  
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<210> 7380

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7380

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ttaacttcct gcatagctgg aactacaggc atgtgccacc acatcaggct caattttaat 180
tttaatttaa tttttttgag acatagtctc actctgtcgc ccaggctgga gtgagacccc 240
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cgcgtaaaat tgttgccaat gtgcattctg nggtgttggg agtcattgtg caaaatgcgt 360
gggcagcaag cactcttttg ngaaccaagt tctatgaacc accaagtatt ctttctctag 420
gctgaattcc aaggctntgg ttcaaaanag tncagggttc tgaaaggaan gggattggac 480
tatggatgcn gntttcttnt t 501

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<210> 7381

<211> 501

<212> DNA

<213> Homo sapiens

<400> 7381

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gagactacag gtgcccgcga ccacgcccgg ctaatttttt gtatctttag tagacacggg 180
gtttcactgt gttagccagg atggtcttca tctcctgacc tcatgatcca cccacctega 240
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ctaggccagt acaagacagt catcagcctc agggcctgtg cgcacacggg tgtgctggan 420
atgctggcat ggatgggggg ggtgggattt gcttgagtgc tcgtctntga cangnccant 480
naggnatggt tctctacatg g 501

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<210> 7382

<211> 565

<212> DNA

<213> Homo sapiens

<400> 7382

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cttgtgcctt ggtcctcctg ctactatta ggaggacaag agctgagggc caagctatgt   60
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tttctttttt gctttgagaa ttgctcatca ttttccaca tgtaagtcca cagactttaa  180
tcaaaggctt cctttgtcat aactaccaat aatcggaact aggattttaa aaggctggta  240
ccagttctcc aagctactgc ctcccagct ctactgtatt caagacagca acctaaggct  300
gcaaacaact catgcttttag gaggaaatga gcaaagagac atctctgaac cccgctaaag  360
atttcagcag gatggccagc atctcccaa aagccaagtt tccagctttc ccataatagt  420
tcaccaggct gtcattttc atgnactttg atcccgnitt gccaaagttt tcttnccact  480
ttcctttatc aaggaggctc ccagnccaac cttagccccg gaaccaagcc ncagatccga  540
aagancnnc ttttccggac aagan                                           565

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<210> 7383

<211> 564

<212> DNA

<213> Homo sapiens

<400> 7383

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aaagctagtc aagtgaagca gtgagagtgg agaaggaaca aataatctgt aactagttgt   60
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cacctaaaat aattcttatt atctattctt cttcaggtta aaatggagcc ctggatgtta  180
ttttaacgac ttgccatcct tcctgttttg agagtgtctt tgtaactgg tggcatacct  240
tcgtgaccgc gtcctacctt cctcattcag acctgtgctg ttcatgtctg tattcccagt  300
cccttaaaaa gtactcaaca cgtgaattgc aaaatgaatt aacaactttg agggaggtgt  360
tattatcatc ctggctttac agataggagaa actaaggttt acttagcaag attaagtaac  420

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ttgcctangg gttacaaacc actagccagg aaacaaaccc acatntgacc ccaaaggcct 480  
 tggttttact ntancctact ggntagaaaa gctttttaaa ggcttgcctt ttggggctta 540  
 ctgggggcag tttntttta aagg 564

<210> 7384

<211> 484

<212> DNA

<213> Homo sapiens

<400> 7384

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 caacctctgc atcccanatt caagngattc tcttgccca gcctcccaag tagctgggat 120  
 tacaggcgcc tgccatcacg cccactggct aatTTTTTTT tttgtatttt tagtaaagac 180  
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 gggaagctga atgcctgcag tcagatccag agagcctttt ggacaagaag gggacaagcn 420  
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 gagt 484

<210> 7385

<211> 563

<212> DNA

<213> Homo sapiens

<400> 7385

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 gtctcctcac agtgacttaa cacctgcttg tgaattcctg caactatgta attacaacat 180

ggttgacatg caaagaaata tggcttatga gaatttaaaa gaaaaatcaa tggctttatg 240  
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 ccaacacagt gaaaccctgt ctctactaaa aatcaaaaaa attatctggg tgtggtggtg 420  
 tgccgcctgg agtcccagct cttcaggang cttgtggcag gagaattgtt gactctggaa 480  
 gnggaagctt gaatgagcca agaatggacc actggacttc ancctggcaa canaangaga 540  
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<210> 7386

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7386

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 tccacaccac agcacgcttc tgggggtccag gagaccgcct tcactactgt gctggccccg 180  
 cctgtgtacg ggccccgggg ccggggccatc cagggtgcct gtggtgctca ccccccatg 240  
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 ctgaccacgg tgtaggcgga ggagccgccc agcaccatca tgttgctcgt ccaccagagg 360  
 aagctcttgg tctcctcgta ntagaacacg gncagcactg ctgggcacaa gccttggccg 420  
 tgcccgcacac aattgggggt caaccggact ggtgaacttg aactgnaatc ctgncacgta 480  
 anccnatggc aaagccnaac aggccggcca anggnattaa tcccccaaaa tgggcacttg 540  
 ccaaattggg caaagtaccc aagggtga 569

<210> 7387

<211> 554

<212> DNA

<213> Homo sapiens

<400> 7387

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agctttttctc tcattttttt ttgttggtat tttttttaaa aagatgtcac atatgaactg 60
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cttaaaaaaa agaaaaaatt aaatcacaaa gtcccactta agtcaaaatc ttcgtccgct 180
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ccacccccgg cagncccatg ctaggggcaa aaagcttggc agcttctggc tggaaaagca 480
aaanggtat tgggccatcg gcanggtagg tgaanccngg aggcattgng ctcaaaaanaa 540
gggggggggn aatg 554

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<210> 7388

<211> 497

<212> DNA

<213> Homo sapiens

<400> 7388

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ganacaaggn cttgctntgt caccagggc tggagtgcag nggtgcatc atgatcttgt 60
ctcactgcaa cttctgcctg ctgagttcaa gngattcttg ggcctcanc tctgagtag 120
ctgggattac agnggccgc cactaagcct gactaatttt tgtattttta atanaaatgg 180
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ttaggatgt agcagaactg gattaatatc ctgcatcacc atttattaac agcattgcta 420
aaacnaagct atgnntcctt tctgaaccct ggtttctcat cttaaaaaac aagtnnttga 480
ataaattggc cntnta 497

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<210> 7389

<211> 560

<212> DNA

<213> Homo sapiens

<400> 7389

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caaatcctag gtttggcct ttattttatt cagcagtga agccatgaat acagaacgaa 60
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tagtacacag taatgaaaag tatcaaaaat taatttacct caaaaaagat aaataaaaaca 180
ggtatattcc accaatacat aaacagatgt ttgtgctaca gtttaaaatt tgctgtatac 240
aaaagatcat agtccccata atcagcttat gatagaagca agaatacatg agccatttaa 300
attgtcagac attatgcttt ataaggtatg cacagaagtt caagcaataa atacatacat 360
tagttcaaag ccttacaata gctacgcaa gcagatgcag aaaagcagat ttgctattac 420
tagcaagcaa tgatataaga gtaaaaattc atgaaatgca tcaaagcaca tttttcttag 480
aaaaaggctg ggatttatng gtccccaca nttttacnta atatgccaa ttttcaaadc 540
cggncacagc tttagggaacn

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<210> 7390

<211> 562

<212> DNA

<213> Homo sapiens

<400> 7390

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gtagagacgg gatttccgcc atgttgccca cgctgttccc caacttctga actcaagcga 60
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taaccaccag ggaggggccc aaggtaggag agaacaattg ttctgagaga caagtaacca 240
taaacaacgc gctgacacaa cgaccttgct ccacaggtag cccaaatggc acaacctcga 300
tcagcatgta gccccctcca gaagacctta taaaacttcc ctccagcccc tgcctctttg 360

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cagacagccc cttctctgta gtggctacat attgcaccct tgcaatgaaa tttcatactt 420  
 tctctaataa atggngcctt tttttttctt cccctacact ggcttggtaa attccttacc 480  
 accgnacan cagncccaag caggcacact tagnaagaagt nctaacagtg gagcaacact 540  
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<210> 7391

<211> 561

<212> DNA

<213> Homo sapiens

<400> 7391

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 ttctgccgta gccacctgag agtagctggg attacagggtg cctgccacca cgcctggcta 180  
 acttttgtat ttttagtaga gacggacttt caccatgctg gtcaggctgg tcttgaactc 240  
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 cggcctgtgt ggtatttttc aaaatttcaa caacaccgtc ataaacagga aaaccgtttc 360  
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 acgaagaagg ggaccttccc gttcctggtg atatccacca ggctncctt gtcateccagg 480  
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<210> 7392

<211> 559

<212> DNA

<213> Homo sapiens

<400> 7392

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 tctccattct taggaacatg gaaaagggga atccatactt gtgtgaaagt agccccctaag 300  
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 cctgtcccca cccggcacca gctgccacaa cctgaaaatc cgcttgctgc caagagctgc 480  
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<210> 7393

<211> 568

<212> DNA

<213> Homo sapiens

<400> 7393

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 attgtaaatt gaagagaaag gatgttcccc aaaggaatga aggttgaggg aaaaccttta 180  
 gcccttcttt tcagaagtaa tttatctgac aaggatggca gaagaccaat tattggcatc 240  
 tgctttcttt ggccttctct cticctatac tccatacctc cagcaagcac ttatgtattc 300  
 ttgggcttga caagggtgag gtcaggtgca atcttctatc cagctgatgg ctctgtccac 360  
 tctaccaagt caactcttcc caagtttagg ctccaaagtc cagttacagg gttagaataa 420  
 ataaaggcca attcgatttc cagtctaaac tgcattctac aatttggett cattggcaat 480  
 gcancagta tctgaatctc catctcactc ctcatctga acttggagat ttgatggctt 540  
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<210> 7394

<211> 566

<212> DNA

<213> Homo sapiens

<400> 7394

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cgggttcaag cgattctcct gcctcagcct cccgagtagc tgggatgaca ggtgcatgcc 180
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gccggagctg cacttcttcc tcttcttgnt gcccgggggc gcctcgtctt cttgcccana 480
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<210> 7395

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7395

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tacaggtgca acaccaccac acctggctaa tttttgtatt ttagtagag gtggggtttc 180
accatgttgg ccaggctgat ctggaactcc tgacctcaag tgatccaacc actcagccac 240
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gttgtttttg tttgtttctt tttagagaca agatcttgct tgattgcca ggctggagtg 360
caatgacacc atcatagctc actgcaaact cgaattcctg ggctaaagca atcctcctgc 420
ctgagtcttc tgggtagctg taactacagg cacacactac cacaacaac taattttttt 480

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tttttttttt acagattctt actatgttgc caangctgat ctgaaactnt naggcctaaag 540  
ngatcctcca ctttgggcct ctaaattatt 569

<210> 7396

<211> 573

<212> DNA

<213> Homo sapiens

<400> 7396

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caccctccca cctctgccct ccaagtagct gggactacag gtgtctgcca ccatgcttgg 120  
ctaatttttt aatttttttg tagagacggg gtttagccat gttgccagg ctggtctcaa 180  
actcctaagc tcaagcaatc cgcccacctt ggcctccac agtgctgggg ttacaggtgt 240  
gagccaccgt gccagtgag caattttatt tttatatcat ctctggacct cacattaatc 300  
tatttttctc agtaaaagta tactgcaaac aggctccagc aatgacagtc acatccagtt 360  
cctcaaattc tttttcttat taagtatgtt gagtaaaactg accgtgggtt tgtgtataga 420  
ctgataccaa aggcctgacc ctaaagccct caaagactta nagggtgta gggacattag 480  
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<210> 7397

<211> 574

<212> DNA

<213> Homo sapiens

<400> 7397

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ttacaggcat gcaccaccac gccagccaa ttttgtatct ttagtagaga cgggtttcgc 180

catgttggtc aggctgggtt cgaactcctg acctcagggtg atccgcctgc ctgggcctcc 240  
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 cactaagtat gaaaagtatt caggttttgc taagccaggg tcaaacactc cccacatcct 360  
 agtttagagt gcttagattt tccctctttt tcatgcaatt taatgaatgt taaattagca 420  
 tgaaaattaa atgttatatt taaactccct aaaactttaa aatgttgcta aagttatttt 480  
 tccaaatgta taaaatgacc tcatttaata aaaataaact atcttaatgg tagnatatga 540  
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<210> 7398

<211> 569

<212> DNA

<213> Homo sapiens

<400> 7398

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 tgggaatata ggcatgtgcc ccatgtgctg gggatttttt tgtatttttg tatttttagt 180  
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 tcccaggcac ccttgctagg taagctgggc tctgacaagg aagtgtgatg agggtaaaca 480  
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<210> 7399

<211> 476

<212> DNA

<213> Homo sapiens

<400> 7399

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tacaggcgcc cgccaccacg cccggctaata ttttttttgt attttttggt ananacgggg 180
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aagtcttaga aaccctgaa ctgacgagct tcttctcagt gaaaagacgg tccataaaca 360
gnggatttag aaacgcgacc cgaccttact gngagngggt ctgatagtc ttgncacggg 420
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<210> 7400

<211> 567

<212> DNA

<213> Homo sapiens

<400> 7400

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tttcttaaata acatgggctc tgagtttcta ttccttgacc tggagcagga ttacaaaata 180
agaagaaatg cattccatct catctacctc tctagtctc ttagagttat aactgagacc 240
aagctaagaa cctcctagtt gcatgtaaat tataaccatt aattgactgg aattcctagc 300
atgtacttgg tcttcattaa cattcatggt aactgcaggc caaaacagtt ctgctgctgt 360
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ccccctcacc cacactttat ttctgagatt ctgagtaaag ctctccagaa acccggttga 480
ccatggaaaa accaggagga atcatacttc tggatggggg ttctcctcca aacttatatc 540
ggaactggac accanttttg ggaggtt 567
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<210> 7401

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7401

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accagtgtgt gtcttttaat tggggcattt agtccattta catttaagtt taattattgt 180
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ggaatttagc taggttggat aggaaatctg ggttgaaaat cttcnttaa gagtgtgaat 480
attggccccc actttttntg gcttggaagg ttctgccaaa naaccgttgt aagccngatg 540
gcttcccggc cgggctn 557
    
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<210> 7402

<211> 557

<212> DNA

<213> Homo sapiens

<400> 7402

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tggtcaagca catcaagcga aagctctaaa actcaatact cagtaagggtg tgggcactga 120
tattgaaaaa aagaaaaaaa aagaaagaaa aggtaaaaag gtaatctgtg acacaatcca 180
aatgcttaca ctccagggat tgagtaagag aaaccagggt cagccctgcc acagagaatg 240
acggctcagg ttgagtgaca tctgagattc atcttctgta cccgtgaacc tgactcccag 300
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